

Vhi-UhiDIGEST

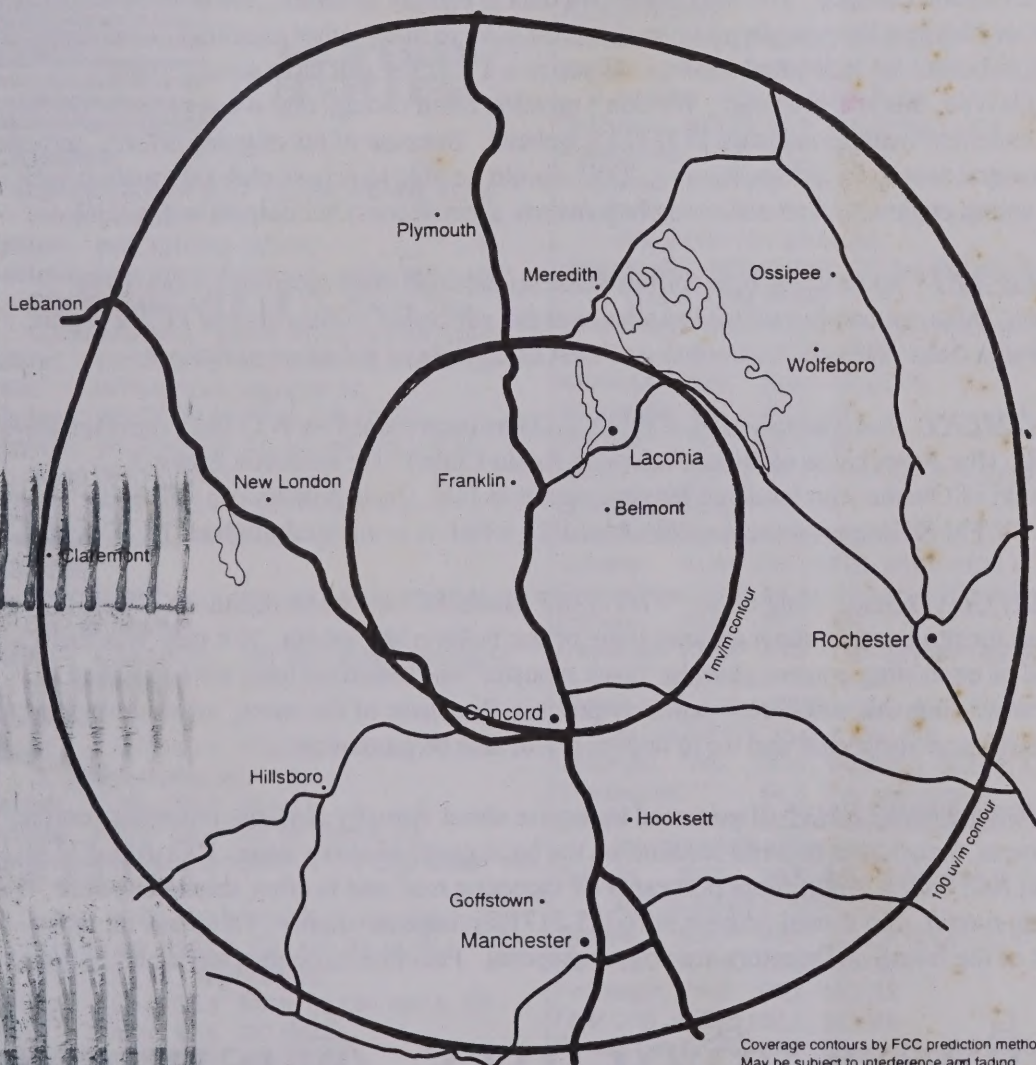
The Official Publication of the Worldwide TV-FM DX Association

DECEMBER 1997

WNHI 7 Perley Street P.O. Box 1923 Concord, New Hampshire 03302
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193³ FM

Coverage Map



Coverage contours by FCC prediction method.
May be subject to interference and fading.

WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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BACK ISSUES: DAVE NIEMAN

FROM THE STAFF:

ON THE WEB: Ever wondered where a TV transmitter is located and wanted to see the site plotted on a map? If so, here's a URL that you'll find both interesting and useful: <http://www.metronet.com/~chipk/usatv/>. The data appears to be current, including call letter and network affiliation changes. The map download data is equally accurate...but doesn't work on Canadian or Mexican listings. In addition there are links to many other excellent resources including web sites for individual stations. If you're a TV DXer and have access to the WorldWideWeb, this site is a must. We don't mention often enough that we appreciate David Austin's excellent work to maintain WTFDA's website. Because of his ongoing efforts, anyone doing a general search for information on "DX" should be able to access club information with ease via search engine links to our site at <http://www.users.sccoast.net/daustin/wtfda.html>.

NO HELP YET! At deadline time for this issue no bids had been received for our 1998 convention. Also, no one has offered to take over the editorship of the *Eastern TV DX* report. We need your help. This club's work doesn't get done without volunteer assistance.

APPOINTMENT: Jim Thomas of Ft. Collins, CO has been named as WTFDA's representative to ANARC (the Association of North American Radio Clubs). He succeeds Ernest J. Wesolowski of Omaha who tendered his resignation in July. Jim's primary job will be to promote TV/FM DXing awareness within ANARC, which is comprised of about 15 DX clubs.

CONGRATULATIONS: Hats off to "*VHF-UHF DIGEST*" Publisher/Editor-in-Chief Bill Thompson for producing a super looking issue of our bulletin last month. Not only was there a great deal of interesting content...but the 'black monster' was tamed (at least for one issue). Whether it was less ink, a different exposure process, the phase of the moon, or whatever; the improvement was significant and we're hoping it will also be permanent.

QUESTIONS/PROBLEMS? If you need to inquire about virtually anything regarding routine club business, the address to write is found on the back cover of every issue...P.O. Box 17333; Asheville, NC; 28816. Matt Sittel processes all incoming mail and is often able to expedite matters via e-mail. His e-mail address is 76255.2171@compuserve.com. Of course all five members of the Board of Directors are at your disposal. Feel free to contact any or all of them.

December 1997

editor- GREG CONIGLIO
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TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication:
M Street Journal - P.O. Box 1479 - Madison, TN 37116-1479
PHONE (615) 865-1525 FAX (615) 865-2598

KEY:

&: satellite programming
AF: new freq. allocation **accepted** for filing for a new FM license
AFA: American Family Association
CC: **call change**/new calls assigned
CL: **city** of license change granted
CO: new xmtr co-ordinates
CX: a CP has expired, and is cancelled
C1,C2, etc: change in class status
DA: **directional antenna**
DE: calls **deleted**, license returned to FCC
FC: station **format change**

GA: **granted amendment** to table of FM allocations
GE: station was **granted extension** of a CP
GX: **granted** replacement of expired CP
LC: filed for license to cover (for new stn.)
MC: **multiple-city** legal ID
NC: **no change** yet, on a reported pending grant/change.
ND: non-directional
NO: station is **not on** the air
NS: a **new station** granted a license
OSA: one-step application
NW: **new station** signs on the air
PA: **proposed amendment** to change table of allocations
PC>: a **power change** (increase)

PC<: a power change (decrease)
PG>: **power change granted** (increase)
PG<: **power change granted** (decrease)
QC: frequency **change** for this station
QG: frequency change **granted**
RA: station **returns** to the air
RE: station **requests extension** of a CP
RX: station **requests** re-instatement of an expired CP
SG: slogan change or update
SI: station is **silent**
XA: **dismissed amendment** to the table of FM allocations
XC: station changes xmtr site
XG: station granted a transmitter (xmtr) site change



UNITED STATES

ALABAMA:

Birmingham: WRAX107.7 CC (ex WENN), FC to modern rock
Brantley: WAOQ100.3 NO-RE
Headland: WBCD105.3 RA with oldies "Kool 105"
PC> 11.5 kW, 485 ft, C3, CL change from Chattahoochee, Florida, XC: 31-15-48 / 85-18-24
Jackson: WHOD 94.5 NC to 30 kW, 640 ft, RE
Mobile: WTOH105.9 reported SI
Talladega: WSSY 97.5 FC to soft AC (&)
Trussville: WENN105.9 CC (ex WRAX), FC to urban (Birmingham)
Warrior: WBHK 98.7 PG> 14 kW, 945 ft
XG: 33-27-45 / 86-50-59

ALASKA:

Juneau: KAMT100.7 XG: 58-19-47 / 134-28-17 dec. to -1082 ft
Juneau: KAKZ 102.7 XG: 58-19-47 / 134-28-17 dec. to -1082 ft.

ARIZONA:

Bagdad: KAKP 103.9 PG> 8.1 kW, 567 ft, C3
CL: Chino Valley, AZ
Flagstaff: KJTA 89.9 NO-RX
Glendale: KKFR 92.3 NC to 1640 ft, RE
Paradise Valley: KBUQ 105.9 FC to urban "Hot 105.9"
San Carlos: KCDX103.7 NO-GX, QG to 103.1 - C1
PG> 15 kW, 1981 ft, DA, XG: 33-17-23 / 110-51-53, CL: Florence, AZ
Sun City: KEDJ 106.3 NC to 10 kW, 492 ft, GE
Willcox: KAXI 92.5 CC (NS)
Winslow: KFMR 95.1 NO-RE

ARKANSAS:

Ashdown: KARQ 92.1 PA: to 93.3 - C3
Benton: KDDK106.7 CC (ex KMKV), FC to country "K-Duck" (Little Rock)
DeQueen: KQDN 93.1 PA: to 92.1 - C2
Fayetteville: *NS 88.3 AF
Hoershoe Bend: *NS 106.5 AF
Hot Springs: KSBC90.1 PG> 12 kW, 876 ft, C2
XG: 34-30-18 / 93-04-42
Jacksonville: KQLR100.3 CC (ex KDDK), FC to CHR "Q100" (Little Rock)
Lake Village: KDTL103.5 PG> 25 kW, class C3
Marion: KXHT 107.1 NC to 2750w, 479 ft.
Nashville: *NS 90.5 AF (AFA)
Springdale: *NS 88.5 AF
Stamps: *NS 104.3 AF
Wilson: KAFW103.7 PA: to 94.7 - A, CL: Turrell, AR

CALIFORNIA:

Arcadia: KLYY 107.1 PG> 6 kW
Auberry: KLBN 105.1 PG> 600w, 1870 ft.
Bakersfield: KISV 94.1 CC (ex KERN) "Kiss 94"
Bishop: *NS 88.5 AF
Camarillo: KOCP 95.9 PG> 1250w, 1440 ft,
XC: 34-20-55 / 119-20-13
Central Valley: KNNN99.3 FC to hot AC "Mix 99.3"
NC to 4.2 kW, 1545 ft, DA, GX
Coalinga: *NS 88.3 1450w(v), 2329 ft, DA
Coarsegold: *** 94.5 PA: add class A
Davis: KDVS 90.3 PG> 9.2 kW, 105 ft, B1
XG: 38-32-29 / 121-45-03
Delano: KKDJ 98.5 PC< 8 kW, 581 ft, B1
XC: 35-30-53 / 119-03-41
Dinuba: KSOF 98.9 CC (ex KJOI) FC to AC
Earlimart: KNAC 93.5 NO-GX
Firebaugh: KAJP 94.7 NO-RX
Ford City: KZPE 102.1 NO-RX
French Gulch: K243AJ 96.5 NS-42w: KHAP 89.1
Gorman: K209CN89.7 NS-10w: KCRW 88.9
Grass Valley: KLV599.3 NW, K-Love contChristian (&)

KIX 107.3 country

California:

Grover City: KIXT 107.3 PG< 3.5 kW, 1650 ft, B
XG: 35-21-37 / 120-39-18
Isla Vista: K254AH98.7 NS-10w: KPFB 90.7
Livingston: *NS 88.3 6 kW (v), 250w(h), 148 ft.
Ludlow: KHWZ100.1 NO-RE
Madera: KMMM107.1 QC from 107.3, 9.9 kW
515 ft, B1, XC: 37-07-40 / 119-40-38
Manteca: KFRY 96.7 CC (ex KVFX), FC to
country (Modesto)
Modesto: KEJC 93.9 NO-GE
Morro Bay: KBZK 94.1 PC< 630 watts, 1004 ft.
Mtn View: KSFH 90.5 QG to 88.1, PG< 10 watts
-246 ft, XG: 37-22-08 / 122-05-02
Needles: KNNK 97.9 CC (ex KWAZ), FC
to modern rock "The Knack"
Oceanside: KXST 102.1 PC> 14.5 kW, 817 ft
XC: 33-06-40 / 117-12-05
Ridgecrest: *NS 91.9 AF
Riverside: KELT 92.7 PC> 6 kW
Sacramento: KBMB103.5 CC (ex KRYR), FC to
ABC urban AC (&)
San Clemente: KWVE 107.9 NC to 560w, 3690', GE
San Diego: KJQY 102.9 CC (ex KKBH), FC to
soft AC "K-Joy"
San Fran: KYCY 93.3 NC to 45 kW (cir), GE
San Joaquin: KVPC105.5 NO-GX
San Luis Obispo: KSLY 96.1 FC to CHR
Santa Maria: *NS 90.7 AF
Santa Paula: KXBS96.7 NC to 280w, DA, RE
Seaside: KISE 103.9 NC to 1.4 kW, 604 ft, RE
Shafter: KGZO 90.9 was noted on this freq.
Stockton: K290AG105.9 NS-100w(v): KEBR 88.3
Sutter Creek: KSAC 107.5 PG< 3.4 kW, 440 ft
XG: 38-25-42 / 120-33-19
Tahoe City: KKTO 90.5 NW, classical/jazz
Woody: K220AA 91.9 noted with KEAR 106.9

COLORADO:

Colo Sps: KTLF 90.5 inc. to 2181 ft, class C
XG: 38-44-43 / 104-51-39
Estes Park: KEZZ102.1 inc. to -305 ft
XC: 40-20-43 / 105-33-06
Glenwood Sps: KKCH 92.7 CC (ex KZGO), NW
Radio One Hot AC (&)
Grand Jct: KAFM 88.1 NO-RX
Meeker: *NS 98.1 100 kW (h), 1191 ft.
Montrose: *NS 88.3 AF
Pueblo: *NS 89.9 AF
Rocky Ford: *NS 95.5 AF
Rye: *NS 90.9 AF
Steamboat Sps: KBCR 96.9 PG> 10 kW (h), 666 ft, C2
XG: 40-27-43 / 106-50-57

CONNECTICUT:

Hartford: WJMJ 88.9 PC< 6.2 kW, 607 ft, DA
New Haven: WPLR99.1 PG> 15 kW, 905 ft.

DELAWARE:

Bethany Bch: WZSK 103.5 FC to modern AC "Jane"
Laurel: WDNO 95.3 FC to modern AC // WZSK

DISTRICT OF COLUMBIA:

Washington: WCSP90.1 CC (ex WDCU), RA with
public affairs and talk (C-Span)

FLORIDA:

Apalachicola: WXGJ105.5 NO-GE
Cedar Creek: WKSG89.5 NO-RE
Edgewater: WKTO 88.7 NW, cont. Christian
Florida City: WMFL88.5 CC (NS)
Holiday: WLUV106.3 NC to 97.1 - C2, 11.5 kW, RE
Jacksonville: WMXQ 102.9 CC (ex WIVY) "Mix 103"
Key Largo: WMKL 91.7 CC (NS)
Key West: WEOV92.5 PA: to 92.7 - C1
Key West: WAIL 99.5 adds Lex & Terry
Keystone Hts: *NS 91.5 150w, 95 ft, DA
Marco: *NS 91.7 NO-RX
Naples Park: WQNU105.5 PC> 28.5 kW, 649 ft, C2
N.Port Richey: WTB 105.5 PC> 46 kW, 1345 ft, C1
XC: 28-10-56 / 82-46-06
Pt.St.Joe: WEBZ 93.5 FC to classic rock (&)
Punta Rassa: WWWD97.7 3 kW, 328 ft. CC (NS)
Quincy: *NS 90.1 AF
St.Petersburg: WCOF 107.3 XC: 28-02-21 / 82-39-15
dec. to 597 ft.

Satellite Bch: *** 98.5 PA: add class A
Tallahassee: WWLD106.1 PC> 6 kW, drops DA
W.Palm Beach: WIRK 107.9 inc. to 426 ft.

GEORGIA:

Dalton: WYYU104.5 PC> 6 kW
Donaldsonville: WGMK 106.3 PC> 5.9 kW
Fayetteville: WHTA97.5 NC to 6.6 kW, 636 ft, GE
Mableton: *NS 102.5 3 kW, 328 ft.
Savannah: WZAT102.1 adds Lex & Terry
Toccoa: WSTE106.1 OSA to 968 ft, C1
XG: 34-22-41 / 83-39-30
Valdosta: WYZK 96.7 NC to 50 kW, 492', GX
Warner Robins: WRBV 101.7 CC (ex WRBG),
FC to urban AC "V102" (Macon)

HAWAII:

Honolulu: KHPR 88.1 NC to 45 kW, 2116', GE
Kaneohe: KXME104.3 CC (ex KBLZ)
NW, CHR "Extreme Radio" (Honolulu)
Kekaha: KAUI 103.3 NO-RX

IDAHO:

Gooding: KMXM100.7 QC from 100.9, PC<
80 kW, 2191', XC: 32-14-15 / 115-26-12
"Maximum Country"
Grangeville: K201EA88.1 NS-10w: KAWZ 88.9
Mountain Home: KTPZ 99.1 FC to CHR
"Mighty 99.1"

WPLR

99 Rock-

ILLINOIS:

Carlinville: WTSG 90.1 NW, southern gospel
Chicago: WNND100.3 CC (ex WPNT) "Windy 100"
Chillicothe: WFXF 94.3 CC (ex WKZW) "The Fox"
Christopher: WUEZ103.5 FC to adult cont.
Colchester: *** 96.7 PA: add class A
Columbia: WCBW104.9 FC to urban "Magic 104.9"
Dixon: WIXN 101.7 SG "FM 102"
DuQuoin: *NS 90.1 AF
Farmington: WJPL 96.5 NW, smooth jazz (Peoria)
Geneseo: *NS 88.1 AF
Geneseo: WGEN104.9 inc. to 315 ft.
XG: 41-25-35 / 90-16-25
Macomb: WJEQ102.7 PG< 10 kW, 512 ft
XG: 40-25-03 / 90-36-57
Metropolis: WRIK 98.3 NC to 100 kW, 699', RX
Morrison: WZZT 95.1 SG "95.1 The Z"
Polo: WLLT 107.7 SG "The Light 107.7 FM"
Rantoul: WZNF 95.3 adds Bob & Tom
Seneca: WJEK 95.7 CC (ex WAIZ)
Taylorville: *NS 88.9 AF
Taylorville: *NS 97.3 6 kW, 243 ft.
Tower Hill: *NS 98.3 1.3 kW, 348 ft.
Woodstock: WZSR105.5 PG> 1.6 kW, 567 ft, DA
XG: 42-15-34 / 88-21-45

INDIANA:

Alexandria: WAXT 96.7 NC to 2.5 kW, 351', RX
Chesterton: WAJW 89.5 NO-GX
Clinton: *NS 93.9 2.3 kW, 531 ft.
Greensburg: *NS 89.1 1.2 kW (v), 420 ft.
Lafayette: W224AX92.7 NS-38w(v): WPCS 89.5 FL
Nashville: WVNI 95.1 NW, cont. Christian (&)
Portland: WBSJ 91.7 NO-RE
Veedersburg: WKLO92.9 PG< 1 kW, 108 ft
XG: 40-09-22 / 87-13-55
W.Lafayette: WHPL89.9 PG> 2 kW (v), DA

I'M **MAQUOKETA**
FROM **MAQUOKETA**
AND I LISTEN TO
KMAQ **MAQUOKETA**
1320 AM **95.3 FM**

IOWA:

Cedar Falls: KHKE 89.5 XG: 42-23-55 / 92-19-34
Council Bluffs: *NS88.1 AF (AFA)
Dubuque: *NS 90.1 AF
Maquoketa: KMAQ95.3 NC to 95.1, 6 kW, RE
Marion: *NS 89.9 AF
New London: *** 97.3 GA: add class A
Ottumwa: *NS 88.3 AF
Rock Valley: KHK106.9 NW, CD Country (&)
St. Ansgar: KHAM 95.5 CC (ex KAWN)
Waverly: *NS 88.9 AF

KANSAS:

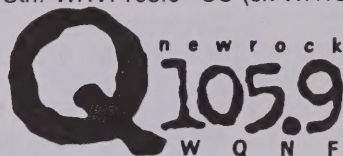
Belleville: KREP 92.1 PC> 14.5 kW, 276', C3
Cawker City: *NS 96.3 AF
Ft. Scott: KVCY104.7 PC> 16 kW, 410', C3
XC: 37-52-43 / 94-43-24
Great Bend: *NS 89.7 AF (AFA)
Independence: KIND101.7 OSA to 102.9 - C3,
PG> 25 kW, 272 ft,
XG: 37-15-42 / 95-45-59

Kansas:

Kingman: KCVW 94.3 NO-RX
Liberal: KZQD105.1 NW, Spanish religion
dec. to 387 ft, C2, XG: 37-02-53 / 100-54-34
Ottawa: KCHZ 95.7 FC to modern-CHR (K.C.)
Winfield: *NS 91.9 AF (AFA)
Winfield: KAZY 95.9 FC to ABC a/c (&)

KENTUCKY:

Beaver Dam: WAUE100.7 NO-GE
Central City: W284AO 104.7 NS-25w(h): WKYA 101.9
Elkhorn City: WPKE103.1 NC to 320w, 1397', RE
Middletown: W284AM 104.7 NS-27w: WSOH
Valley Stn: WRVI 105.9 CC (ex WHITE) "The River"



LOUISIANA:

Alexandria: KOUZ 89.9 NO-GE
Benton: KLKL 92.1 PC> 6 kW, 325 ft.
Berwick: KBZE 105.9 FC to R&B oldies (&)
Colfax: WAPU 92.9 NO-GE,
XG: 40-29-28 / 88-43-14
DeRidder: *NS 91.1 AF (AFA)
DeRidder: KROK 92.1 NC to 12 kW, C3, RX
Donaldsonville: KKAY 104.9 NC to 6 kW, 328 ft, RE
Erath: KPEL 107.7 NC to 107.9 -C1, 100kW, GE
Kaplan: KMDL 97.3 PC< 38 kW, 561 ft
XG: 30-02-54 / 91-59-49
Lake Arthur: KRAW 107.3 CC (NS)
Lake Charles: KBIU103.7inc. to 489 ft.
XG: 30-14-41 / 93-20-38
Mansfield: KJVC 92.7 RA with country

MAINE:

Bar Harbor: WLKE 99.1 PC> 45 kW, 397', B
Biddeford: WCYY 94.3 PC< 11.5 kW, 482 ft,
XC: 43-32-39 / 70-24-16

MARYLAND:

Cumberland: WKGO106.1 PG> 5.4 kW, 1410 ft.

MASSACHUSETTS:

Lowell: WKLB 99.5 CC (ex WOAZ)
Truro: WCDJ102.3 NO-GE
Woods Hole: WHMV90.1 6.5 kW (v), 298 ft, DA
CC (NS)

MICHIGAN:

Bear Lake: WZTU100.1 reported SI
Grand Rapids: WCUZ 101.3 adds Trucking Bozo
Holland: WKLQ 94.5 FC to rock (Grand Rapids)
Houghton: WOLV 97.7 FC to classic rock (&)
Kalamazoo: W220BV91.9 NS-50w(v): WPCS 89.5 FL
Imlay City: *NS 88.1 AF
Lansing: WHZZ101.7 PG> 4 kW, 400 ft
XG: 42-43-42 / 84-30-54
Leland: WIAR 94.3 PC> 20.5 kW, 764 ft, DA
C2, XC: 44-46-19 / 85-40-58
Negaunee: WKQS101.9 CC (NS)
Pickford: WADW105.5 NO-CX-DE
Sault Ste Marie: ***102.3 PA: add class C3
South Haven: WCSY 98.3 adds Jones smooth jazz
(8pm to midnight)

MINNESOTA:

Bagley: KKCQ 96.7 NW, country // AM
"Q 96.7"
Cambridge: KZNT 105.3 CC (ex KXXU) "The Zone"
Deer River: *NS 105.5 AF
Eden Prairie: KZNR 105.7 CC (ex KXXR) "The Zone"
Grand Marais: WXXZ 95.3 NO-RX
Lakeville: KZNZ 105.1 CC (ex KXXP) "The Zone"
Lanesboro: *** 103.9 PA: add class A
Minneapolis: KXXP 93.7 CC (ex KEGE) "93-X"
Nashauk: KMFG 102.9 NW, classic rock (&
"Special K 103"
Willmar: K215CK 90.9 NS-250w: KLVC 88.3 CA

MISSISSIPPI:

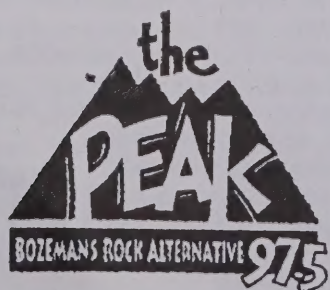
Aberdeen: WWZQ 105.3 PC> 27.5 kW, 672 ft, ND
XC: 34-01-30 / 88-27-34
Bay Springs: WIZK 94.3 NC to 50 kW, 492 ft, RE
Centerville: WZFL 104.9 NC to 6 kW, 328 ft, RE
Laurel: WATP 90.7 LC
Lumberton: WLNF 95.3 CC (ex WLUN) "Live 95"
Mound Bayou: WZYQ 102.1 NW, WW1 soft AC (&
Pt. Gibson: WVEY 100.5 NO-RX
Saucier: WAOY 91.7 CL granted to Gulfport, MS
Yazoo City: WMGO 93.1 NW, oldies

MISSOURI:

Ashland: KOQL 106.1 CC (ex KBXR)
Buffalo: KBFL 99.9 PG> 18 kW, 220 ft, C3
XC: 37-31-14 / 93-06-14
Chillicothe: KCHI 103.9 CX CP for 15.5 kW
Columbia: KBXR 102.3 CC (ex KOQL)
Columbia: KPLA 101.5 PG> 40 kW, 1082 ft, C1
XC: 39-00-52 / 92-16-32
Concordia: KYRV 88.1 NW, southern gospel (&
Hannibal: K209CM 89.7 NS-10w(v): WPCS 89.5 FL
Kansas City: KLTH 99.7 FC to rock "99.7 KY"
Macon: *NS 99.9 AF
Moberly: *NS 97.3 AF
Moberly: KZZT 105.5 FC to oldies "KZ105" (&
Potosi: KNLP 89.7 CC (NS)
Seligman: KJEM 93.3 FC to classic rock
Sikeston: KBXB 97.9 PC> 50 kW, class C2
St. Louis: KSLZ 107.7 CC (ex KMJM), FC to
CHR "Z 107.7"
Sunrise Bch: KAXJ 90.3 CC (NS)
Thayer: *NS 92.3 AF
Warsaw: *NS 98.5 3 kW, 285 ft.

MONTANA:

Colstrip: *NS 93.7 AF
Livingston: KPKX 97.5 NC to 790ft, XC, CX CP
Miles City: KKRY 92.5 CC (ex KMCM)
W. Yellowstone: KWWF 96.5 FC to country



NEBRASKA:

Aurora: KLRB 97.3 CX CP for 100 kW, 745 ft.

NEVADA:

Carson City: K226AL 93.1 NS-200w: KNHK
Carson City: K259AK 99.7 NS-6w(v): KAWZ 88.9 ID
Laughlin: KLUK 107.9 adds Mark & Brian

NEW HAMPSHIRE:

Berlin: WPKQ 103.7 PA: to class C
CL: North Conway, NH
Manchester: WRND 91.7 reported SI
Peterborough: WNHQ 92.1 FC to CHR // WJYY 105.5
Rochester: WQSO 96.7 CC (ex WSRI) "Oldies 96.7"

NEW JERSEY:

Canton: WJKS 101.7 CC (ex WNNN), RA
with dance CHR "Kiss FM"
Cape May CH: *NS 88.1 AF
Cape May CH: WNJZ 90.3 NO-RE
Egg Harbor Twp: WXGN 90.5 NO-GE
Freehold Twp: WPDQ 89.7 CC (ex WRLJ), RA
with oldies

Manahawkin: WAQB 105.7 NO-RE

Millville: WBSS 97.3 drop DA

NEW MEXICO:

Alamogordo: *NS 91.7 100w, 1683 ft.
Armijo: KNKT 107.1 CX CP for 20 kW, 364 ft, C3
Clovis: KSMX 107.5 FC to hot AC "Mix 107.5"
Flora Vista: K300AL 107.9 NS-80w: KWXA 99.7 CO
Grants: KTHR 103.7 NC to 1358 ft, GX
Kirtland: K230AF 93.9 NS-250w(v): KTRA 102.1
Lordsburg: *NS 105.7 AF (BBC Radio) (??)
Red River: KRDR 90.1 NW, variety
Roswell: K276ED 103.1 NS-36w(v): KHFM 96.3
Santa Fe: KZXA 94.7 NO-GE

NEW YORK:

Buffalo: WBFO 88.7 PG> 50 kW, DA, class B
XC: 43-00-12 / 78-45-56
Gouverneur: WGIX 95.3 XC: 44-20-20 / 75-24-01
increase to 328 ft.
Lyon Mtn: *NS 89.7 AF
New York: WNSR 105.1 FC to adult contemporary
New York: WNEW 102.7 NC to 4.6 kW (h), 1223', RX
Ossining: WDFH 90.3 RA with alternative
PG< 12 watts, 325 ft, XC: 41-10-58 / 73-49-50
Pt. Henry: WMNM 92.1 FC to talk // WSYB
Rome: WODZ 96.1 inc. to 604 ft
XC: 43-08-39 / 75-10-45
Sidney: W214AT 90.7 NS-8w: WCII 88.5 Spencer
Syracuse: WRVD 90.3 NO-GE
Voorheesville: WPTR 96.3 FC to hot country

NORTH CAROLINA:

Atlantic Bch: *NS 91.5 40 kW, 167 ft.
Fuquay-Varina: WZZU 103.9 FC to black gospel (&
Hertford: WFMZ 104.9 NO-GE
Hickory: WXRC 95.7 FC to rock (Charlotte)
Jacksonville: *NS 90.1 AF (AFA)
Salisbury: WEND 106.5 PC< 65 kW, 1046' C1
XC: 35-35-32 / 80-37-44
St. Pauls: WUKS 107.7 CC (ex WLRD)
Sneads Ferry: *NS 89.9 AF
Snow Hill: WAGO 88.7 NO-RE
Tabor City: WYNA 104.9 PG> 25 kW, 298 ft, DA
C3, XC: 33-49-19 / 78-46-18, CL: Calabash, NC

NORTH DAKOTA:

Bismarck: KCND 90.5 PC< 50 kW
 Bismarck: KACL 98.7 NC to 830 ft, RX
 Bismarck: KSSS 101.5 FC to classic rock "Kiss 101 Rocks" (&)
 Minot: KMPR 88.9 PC< 50 kW
 Rugby: KVAG 95.3 NO-GE
 Walhalla: KAUJ 106.7 NO-RX

OHIO:

Beach City: *NS 88.7 22.5 kW, (v), 3.5 kW (h), 344'
 Cincinnati: WVMX 94.1 CC (ex WWNK) "Mix 94.1"
 Cleveland: WMVX 106.5 CC (ex WLTF) "Mix"
 Cleveland: WCSB 89.3 inc. to 203 ft.
 Fostoria: WBVI 96.7 XG: 41-06-00 / 82-28-32
 Greenfield: WVNU 97.5 CX CP for 2.5 kW, 515w, RX
 Jefferson: WCVJ 90.9 NC to 1850w, 643 ft, GE
 Lebanon: WMMA 97.3 FC to classic rock
 Milford: WAQZ 107.1 CX CP for 6 kW, DA, XC
 Rushville: *NS 88.5 AF

OKLAHOMA:

Ardmore: *NS 90.3 25 kW, 213 ft.
 Oklahoma City: KNRX 94.7 FC to soft rock
 Oklahoma City: K246AF 97.1 NS-//KOSU 91.7 Stillwater
 ON the air from Valley Brook SE of OKC
 Tishomingo: *NS 88.3 1750w, 328 ft.
 Wewoka: KWSH 104.7 NW, Branson country (&)

OREGON:

Alsea: K218CK 91.5 NS-16w: KWAX 91.1
 Altamont: KRAT 101.3 QG to 97.7, 22 kW, 1712 ft
 XG: 42-10-06 / 122-09-00
 Dallas: *** 98.3 PA: add class C3
 Grants Pass: KAPK 91.1 LC
 Milton-Freewater: *NS 88.5 5 kW (h), 1302 ft.
 Prineville: *** 98.7 PA: add class C3
 Sisters: KPXA 104.1 NO-GE
 Sweet Home: KLVU 107.1 CC (ex KSKD)
 Toledo: KPPT 100.7 CC (ex KZUS) "The Point"

PENNSYLVANIA:

Bristol: WLBS 91.7 CC (ex WAJH), LC
 Philadelphia: WXXM 95.7 CC (ex WFLN) "Max"
 Portage: WFJY 105.7 CC (ex WZGO)
 Somerset: WSGY 97.7 CC (ex WVSC) "Froggy 98"
 Stroudsburg: WSBG 93.5 FC to hot AC

RHODE ISLAND:

Middletown: WDFG 100.3 FC to classic rock
 Providence: WBRU 95.5 NC to 50 kW, 492ft, RE

SOUTH CAROLINA:

Atlantic Bch: W255AK 98.9 NS-10w: WLPG 91.7
 Goose Creek: WSP 94.3 NC to 5.8 kW, C3, RE
 Hampton: WBHC 103.1 GA: to 92.1 - A
 Ladson: WRLQ 106.3 NO-GX
 Myrtle Beach: WYAV 104.1 CL from Conway, SC
 Parris Is: WGZO 92.1 GA: to 103.1 - C3
 Saluda: W235AF 94.9 NS-38w: WLPE 91.7 GA
 Scranton: WSQN 102.9 FC to R&B oldies "Q102.9"

SOUTH DAKOTA:

Belle Fourche: KZZI 95.9 FC to WW1 country (&)
 Redfield: KGIM 103.7 PC> 100 kW, 554 ft, C1
 Winner: KGGK 98.5 GA: to 98.3 - C1,
 CL: Wessington Springs, SD

TENNESSEE:

Chattanooga: WSKZ 106.5 adds John Boy & Billy
 Clinton: WDVX 89.9 NW, Americana music
 Columbia: WKOM 101.7 PC> 4.1 kW, 387 ft
 XC: 35-37-05 / 87-02-33
 Lawrenceburg: *NS 89.7 6 kW, 148 ft.
 Nashville: WNAZ 89.1 NC to 200 ft, XC, GE
 Nashville: WJXA 92.9 SG "Mix 92.9"
 Seymour: WJBZ 96.3 adds Reach s. Gospel (&)
 Signal Mtn: WZST 98.1 FC to country
 Sparta: WSM 105.5 CX CP for 2350w, 528', DA
 Spring City: WAYA 93.9 PC> 5.5 kW, 574 ft, C3



TEXAS:

Abilene: KROW 92.5 NW, classic hits "Crow"
 Austin: K285ES 104.9 NS-50w(h): KXPZ 91.3 TX
 Big Spring: *NS 89.3 AF
 Big Spring: K206BY 88.1 NS-92w: KGNZ 88.1
 Borger: KAVO 91.5 LC
 Clarendon: KEFH 99.3 CC (NS)
 Coahoma: KBYG 105.5 NO-CX-DE
 College Stn: KTSR 92.1 NC to 107.3 C3, 25 kW, RE
 Daingerfield: KKLK 106.9 RA with soft AC // KALK
 Dallas: KYNG 105.3 dec. to 1528 ft
 XC: 32-35-05 / 96-57-46
 Dallas: KRBV 100.3 PC> 100 kW, 1440 ft,
 XC: 32-35-17 / 96-58-34
 Electra: *NS 94.9 NO-RE
 Ft. Worth: KOAI 107.5 PC> 28 kW, 1591 ft.
 XC: 32-35-05 / 96-57-46
 Georgetown: KAHK 107.7 CC (ex KNNC), FC to
 classic hits (Austin)
 Giddings: KANJ 91.5 NO-GE
 Harker Hts: KYUL 105.5 PC> 36 kW, 577 ft, DA, C2
 XC: 31-05-23 / 97-35-55
 Hempstead: KEZB 105.3 NO-RE
 Henderson: KDVE 99.9 CC (ex KGRI), FC to
 ABC Real country (&)
 Hondo: KRBH 98.5 NO-RE
 Houston: KLOL 101.1 adds Lex & Terry
 Howe: KHYI 95.3 PC< 10.5 kW, 512 ft.
 Kilgore: KTPB 89.7 PC> 79.4 kW (v),
 63.1 kW (h), 551 ft, DA class C1
 Marlin: KEYR 92.9 PG> 50 kW, 429 ft, C2
 XG: 31-24-45 / 97-12-40
 Merkel: KFQX 102.7 CC (ex KCWS), FC
 to CHR "Fox 102.7" (Abilene)
 Olney: *** 101.9 PA: add class C2
 Olney: KRZB 97.5 PA: to Archer City, TX
 Ozona: K202CO 88.3 NS-10w: KGNZ 88.1
 Pampa: KAXH 90.9 CC (NS)
 Paris: *NS 89.3 AF (AFA)
 Plainview: KKYN 103.9 PC> 25 kW, 367 ft
 C2, XC: 34-15-47 / 101-40-30
 Pt. Comfort: KAJI 94.1 NO-GE
 Portland: *NS 91.1 3 kW, 298 ft.
 Ripley: WAUV 89.7 CC (NS)

Texas:

San Angelo: KCRN 93.9 FC to rel. & Sky
contemp. Christian (&)
Seabrook: KRTS 92.1 NC to 10 kW, 981 ft, C1
XC: 29-16-33 / 95-22-45
Shamrock: KRMN 92.7 NO-GE
Sherman: KNKI 96.7 reported SI, CC (ex KDVE)
Temple: *NS 88.5 AF
Tulia: KJMX 104.9 reported SI
Victoria: *NS 91.5 AF

UTAH:

Birgham City: KRKR106.9 CC (ex KLZX), FC
to rock "K-Rock" (SLC)
Freedom: K289AF105.7NS-10w(v), KSFI 90.1 UT
Logan: KVFM 94.5 CX CP for 70 kW, C
Logan: *NS 89.5 AF
Monroe: *** 99.3 PA: add class C2

VERMONT:

St. Johnsbury: WCKJ90.5 NO-GE

VIRGINIA:

Charlottesville: WVTW 88.5 NW, news, classical
jazz // WVTF 89.1 Roanoke
Farmville: WVHL 92.9 NW, country "V93"
Farmville: WFLO 95.7 PC> 50 kW, 492 ft, DA
Hayfield: *** 100.5 XA: add class A
Lynchburg: WRVX 97.9 CC (ex WGOL),
FC to adult contemporary
Newmarket: WBHB103.3 CC (ex WEZI), FC to
classic rock (Harrisonburg) "Bob 103.3"
Saltville: WASQ106.1 NO-RX
Virginia Bch: WODC88.5 PG> 1.2 kW, 121 ft, DA
Warrenton: WUPP107.7 CC (ex WRCY)
"Up Country 108"
Waynesboro: WPVA90.1 NO-RE
Winsdor: WSVY107.7 NC to 2.4 kW, 522', RE
Wise: *NS 90.5 100w, 666 ft.

WASHINGTON:

Bellevue: KBCS 91.3 PG> 7.9 kW (cir), C3
Elma: KAPV102.1 NO-GE
Grandview: KARY100.9 PC> 6.9 kW, 1269 ft, C2
XC: 46-29-12 / 120-00-12
Longview: KLYK 105.5 FC to hot AC (&) "Magic"
Monroe: K215CJ 90.9 NS-5w: KSER 90.7
Rock Island: KXAA99.5 PC> 5.3 kW, -82 ft, DA
Seattle: KIRO 100.7 PC< 58 kW, 2342 ft, DA
class C, XC: 47-30-14 / 121-58-29
Seattle: KZOK102.5 NC to 58 kW, 2342', RE
Seattle: KNDD107.7 NC to 57.3 kW (h), 49.8 kW
(v), 2342', RE
Sunnyside: KAYB 88.1 LC
Walla Walla: KUJ 99.1 PG to 2.1 kW, 1125 ft, C3
Wenatchee: K276EC 103.1 NS-14w: KPQ 102.1

WEST VIRGINIA:

Charleston: WKWS 96.1 adds ABC's Moby
Petersburg: WAUA 89.5 NO-RE

KICKS 96
HOT
NEW COUNTRY!

WISCONSIN:

Ashland: W275AF102.9 NS-26w: KUWS 91.3
Ashland: W284AN104.7 NS-21w: WHSA 89.9
Beloit: W222AJ92.3 NS-55w(v): WPCS 89.5 FL
Casper: KKRR102.5 CC (NS)
Evansville: WKPO105.9 CC (ex WMJB), FC to
dance-CHR (Beloit) "Power 105.9"
Hayward: W230AN 93.9 NS-50w(h): KDNW90.5 MN
Kaukauna: WPCCK104.9 PC> 3.1 kW, 462 ft.
Shawano: WOWN99.3 FC to oldies (&)
Soldiers Grove: ***105.9 PA: add class A
Sturgeon Bay: *NS 88.5 AF
Town of Rockford: W270AJ 91.9 NS-13w: WAUN 92.7
Wautoma: *NS 102.3 AF
Wesby: *** 103.9 PA: add class A

WYOMING:

Albin: *NS 107.3 50 kW, 492 ft.
Casper: KQLT 103.7 CX CP for 100 kW, 1860 ft.
Evanston: KOTB106.3 PC> 380 w, C3
Ft. Bridger: *NS 99.1 AF
Gillette: *NS 91.9 1 kW, 226 ft.
Newcastle: *NS 90.5 400 w, 203 ft. (U of Wyo)
Sundance: KYDT 103.1 NW, farm, CW // KBFS (&)

U.S. TERRITORIES:**GUAM:**

Dededo: *NS 105.1 AF

NORTHERN MARIANA ISLANDS:

Garapah: KPXH100.3 NO-GE

PUERTO RICO:

Camuy: WDIN102.9 CC (ex WCHQ)
Culebra: WXZX106.5 NO-GE
Culebra: WJVP 89.3 NO-RE
Ponce: WIOC105.1 PG< 47 kW, -200 ft
XG: 17-59-27 / 66-37-45



CANADA

ALBERTA:

Banff: CKIS 94.3 NS relay here, 9.2 watts
Medicine Hat: CJCY1390 wants 96.1, 100 kW

BRITISH COLUMBIA:

Castlegar: CKQR 760 wants 93.3, 333 watts
Vancouver: CFMI 101.1 PG> 46 kW, XG 300m
to the northwest

MANITOBA:

Selkirk: CFQX104.1 QG to 95.3
Winnipeg: *NS 101.5 U. Manitoba Student Union
Winnipeg: CJAE 92.9 CC (NS)

NEW BRUNSWICK:

Frederickton: CIBX106.9 PC< 78 kW

ONTARIO:

Kitchener: CKWR 98.5 QC from 98.7, PC> 2.4 kW
New Lisheard: CJTT1230wants 104.5, 10 kW

105 CIGF
Today's Music

QUÉBEC:

Jonquierre: CKAJ 92.5 CC (ex CHOC), RA
with French variety
Québec: CJMF 93.3 PC< 32,960 watts
Rouyn-Noranda: CKRN 1400 wants 98.3, 862 w.
Sainte-Anne-des-Monts: CJMC 100.3 PC< 2,510 watts

YUKON:

Carcross: *NS 97.5 Carcross Radio Society



MÉHICO

BAJA CALIFORNIA:

Tijuana: XHTZ 90.3 FC to urban (San Diego)

PIRATE WATCH:



- *W.Palm Beach, Fla.* Pirates operating near airports can be a problem, as was demonstrated near the WPB international Airport. A pirate operating on 105.5 Mhz, six blocks from the control tower was apparently seriously disrupting air communications by putting out spurs on 118.1 and 125.85 Mhz.
- *Miami, Fla.* Similar to above, a pirate operating on 106.5 very close to the Miami Int'l Airport was shut down for causing problems with the control tower.
- *Tampa, Fla.* News on the Internet about a whole slew of pirates in this vicinity ...
 - 89.7 "87-X" (free form rock)
 - 89.3 Radio Magica (SS)
 - 90.1 Radio Amor (SS)
 - 96.7 Lutz Community Radio (American Freedom Network)
 - 99.1 "extreme right wing programming"
 - 102.1 The Party Pirate (rock/eclectic)
 - 106.1 "WAXN" (SS)

Most are 24 hours a day, and there are apparently even more operating with limited schedules.

- *Boston, Mass.* A pirate with about 20 watts, on 106.1, has been operating for eight months in this area, until a recent shutdown by the FCC. What made this a large story in *The Boston Globe* is that the Massachusetts chapter of the ACLU is reportedly going to help defend Steve Provizer, the operator of this "Radio Free Allston" pirate.

- *Bakersfield, Calif.* Dennis Park Smith noted "Radio Free Bakersfield", on 87.9, with hard rock, DJs, broadcasting in MONO. He was listening 25 miles away in Wasco, so this one may get out.
- *Rochester, NY* While visiting that city on business, I noted a very weak signal with 1940's big band music in the vicinity of I-390 & Mt. Hope Avenue (NY Route 15). Jim Renfrew was kind enough to investigate further, and tracked this down as "Companion Radio", broadcasting from nearby Strong Memorial Hospital. This one probably is weak enough to not be considered a pirate.
- *Colville, Wash.* A friend of mine noted "102.5 Community Micro-Broadcast Radio" in this community, only with a signal too strong to be micro! They ran BBC news at the top of the hour!

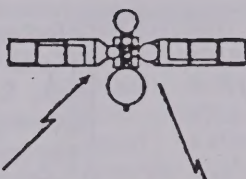
• In addition to those listed below, thanks to John Zondlo, Chip Kelley, Frank Aden, David Sharp, Robert Ross, John Rieger, and M Street, of course!

• Thanks to Dennis Smith for providing some news from his July trip to the Bakersfield/Wasco area. This includes the pirate listed above. (Dennis, I was in Bakersfield on July 12, so I just missed you!-gc) Your "Soft Rock 100.3" unID from there is probably KBAY San Jose. I noted that station has a huge signal compared to the other Bay Area stations, especially to the south. I didn't hear it *that* far south though - nice catch!

Thanks also to Doug Smith, as always, for the Canadian info!

- There was a tragic tower collapse in Jackson, Miss. that killed three workers that were doing maintenance on the tower at the time. The accident knocked WMSI 102.9 off the air, as well as some TV stations (including WLBT -3)
- On the agenda of the January meeting of the NAB (National Association of Broadcasters) is a proposal to allow daytime-only AM stations to have an FM translator for important events at night (school closings, weather, local sports, etc.) One example cited by *M Street Journal* is WGEN-AM Geneseo, Ill., a 1500 kHz daytime, with no FM to cover that community.
- In a recent trip to Illinois, Tim Noonan noted that the following stations were not on the air yet: WNIE 89.1 Freeport, WSEY 95.7 Mt. Morris, WOXM 106.1 Oregon, and WNIQ 91.5 Sterling.
- Eric Bueneman reports that the Radio Aahs network will probably cease operations on January 31, 1998. Part of this involves a lawsuit against ABC's Radio Disney format. The only FM station believed to be affected is WFUN 95.5 in Bethalto, Ill. (metro St. Louis)

SATELLITE NEWS



GEORGE W JENSEN
4604 ANNTANA AVENUE
BALTIMORE MD 21206-4220

Sorry for the lack of a column last month, but illness prevented me from getting to it. This month I want to present changes to the previous column listing of satellite services that have occurred in the past few months. If you keep those listings - make the appropriate changes....

SATCOM C1

1 - SSN Extra - delete Prime Network

17 - Fox Sports South VC2

SATCOM C4 -

14 - delete FIT TV

SATCOM C3

11 - Prime Sports Network VC2 - delete American Sports Classics

105 - digital - Showtime - Mountain

581 - Northwest Cable News

830 - Progressive Album Mix

843 - Light Classical favorites

859 - Opera

GALAXY 9

23 - delete - Computer TV Network

ANIK E2

8 - delete Global Feeds L

201 - 206 - Pay-Per-View

315 - CTV News One

321 - WKRN - Nashville, Tennessee ABC - delete WJLA

322 - WSEE - Erie, Pennsylvania - delete WRAL

457 - Outdoor Life Channel

470 - Home and Garden TV

510 - Family - East

the following thanks to Steven Sprachman of New York

700 - SRC - Montreal

730 - TVA - French

731 - Canal D - French

740 - T Q S - French

770 - Canal famille

780 - Super Ecran

many thanks - Steven

850 - T.L.N - Television Network - ethnic languages

G E AMERICOM GE1

9 - Fox Sports South VC2

10 - WLRN - Nashville, Tennessee - ABC VC2 - delete WJLA

22 - Deutsches Welle

957 - West Virginia Public Radio

KBand channels are - in fact

NBC - 3, 7, 9, 15, 17, 23

24 - Chinese Television Network from Los Angeles

GALAXY 4

KBand

7 - Chinese News Channel -

13 - Chinese Channel - Peking

17 - TVB - Jade - Hong Kong - L

24 - The Filipino Channel - O/O

TELSTAR 5

ABC now back to 8, 21 22

FOX back to 9, 10, 13,


19 - Americas Collectibles Network

12 - Exotica VC2

16 - UPN - United Paramount Network

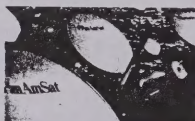
KuBand - feeds now on 4, 23, and 27

TMN
The Movie Network™

 **PanAmSat.**

WWW.PANAMSAT.COM

IN MIAMI: 1.305.445.5536



GAME
SHOW
network

SATELLITE NEWS.....continued

GALAXY 3R

- 14 - porn promos
- 17 - Cinemax 2 east VC2
- 18 - Infomercials

GALAXY 7

- 22 - B Movie Channel - occasionally delete CBS feeds except transponder 2

TELSTAR 402R

- 6 - porn promos
- 10 - Fox network
- 15 - X-TV VC2
- 19 - porn promos
- delete Fox Network 20 and 23
- delete ABC 24

KBand feeds on 10, 13, 19 and 25 -

SPACENET 3 - delete this - it is now GE Americom GE3

18 - GE 3 ID Barker Channel

19 - Fox Sports Detroit - delete Sports South

22 - delete Americas Collectibles

GALAXY 6

delete - 20 - CNN Headline News occasionally

AT A LATER DATE - WHEN THE RECEIVER IS MORE WORKABLE -

I WILL RESUME THE TRANS-ATLANTIC SERVICES.

B U T - I can relate the following -

INTELSAT at 27 West has been replaced with a newer and much stronger bird - C-Band signals are awesome

delete 18 0 CNN - London, I don't know where they are at this time

Also - on Hispasat - delete Hispovision - can't locate them

That's all for this month. Next column I hope to be able to give a complete list of the new digital services satellite by satellite. Let me know what you are receiving, if you have the 4DTV receiver - Steve Sprachman - keep the info coming when you can - it's greatly appreciated. He posed an excellent question - how many of you have satellite systems - please let me know. IN THE MEANTIME =

Merry Christmas

Happy New Year

Happy Chanukah

Joyous Kwanzaa

Feliz navidad

Clear



HBO

25 Years

TV NEWS

December 1997

Douglas E. Smith W9WI
1385 Old Clarksville Pike
Pleasant View, TN 37146-8098
72777.3143@compuserve.com

*: Non-commercial station
nc: No Change
+/-: Channel offsets (plus,
z/n: minus, zero, and none)
^: Digital TV station

APPLICATIONS FOR NEW STATIONS

St.	Ch.	ERP	HAAT	City; applicant	
IN	42^	310	178	South Bend; WNDU [16]	41-36-19N/ 86-12-45W
MI	41^	465	285	Detroit; WXYZ [7]	42-28-14N/ 83-15-01W
MI	58^	1000	274	Detroit; WJBK [2]	42-27-38N/ 83-12-50W
TX	41^	100	506	Fort Worth; KXAS [5]	32-35-07N/ 96-58-06W

CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St.	Ch.	ERP	HAAT	City; applicant	
AZ	44n	1.06	K44FE	Sierra Vista; LPTV Services	31-33-45N/110-17-50W
AZ	28n	4.9	K28FM	Yuma; S. D. Warren	32-40-22N/114-20-13W
AZ	52z	1.24	K52EG	Yuma; Better Life TV	32-40-23N/114-20-16W
AZ	57n	14.69	K57HM	Yuma; R. Amodia	32-40-24N/114-20-13W
CA	29n	10	K29DX	San Diego; KRCA [62]	32-41-52N/116-56-02W
HI	29^	51.2	1770	Wailuku; KMAU [12]	20-42-43N/156-15-26W
NC	38+	5000	154	Greenville; Channel 38 LLC	35-23-52N/ 77-25-40W
TX	11n	0.059	K11UG	Carrizo Springs; C. Ortiz	28-19-17N/ 99-53-06W
TX	20n	10.4	K20FN	Del Rio; LPTV Services	29-25-00N/100-55-00W
TX	31^	751.7	551	Houston; KHOU [11]	29-33-40N/ 95-30-04W
TX	55n	9.55	K55HW	Laredo; Mark Lucas	27-24-09N/ 99-26-49W
UT	20+	1731	1136	Salt Lake City; Ch. 20 TV	40-39-11N/112-12-06W
UT	24z	5000	217	Ogden; Utah Television LLC	41-15-17N/112-14-13W

7 applications for full-power channel 38 at Greenville, NC; 2 for channel 24 at Ogden, Utah; and two for channel 20 at Salt Lake City were dismissed.

APPLICATIONS TO CHANGE EXISTING FACILITIES

St.	Ch	ERP	HAAT	Call	City	
BC	5+	0.155	nc	CBCY-TV-2	Smithers	
CA	55+	20		K55HR	Chico	39-57-34N/121-42-40W
FL	22	14.7		W14BX	Haines City	
GA	55+	nc	nc	WSST-TV	Cordele	31-53-35N/ 83-48-18W
IN	16z	nc	nc	WNDU-TV	South Bend	41-36-20N/ 86-12-46W
(and for their backup transmitter:)						41-36-19N/ 86-12-45W
MI	31+	2090	NC	WBSX	Ann Arbor	
NE	61z	0.179		K61GA	Omaha (3ABN)	41-15-20N/ 95-56-20W
OR	29n	0.634		K29AX	Roseburg (KOBI)	
SD	50n	nc		K50DG	Brookings (KTTW)	44-18-03N/ 96-46-00W
SK	8z	0.446	nc	CBKST-4	Stanley Mission	
TX	32+	nc	nc	KTAB-TV	Abilene	32-16-38N/ 99-35-51W
VA	57n	nc		W57AI	Castlewood	36-56-32N/ 82-13-54W
(WSST, WNDU, and KTAB are correction of coordinates only)						

APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St.	Ch	ERP	HAAT	Call	City	
CA	63-	5.9		K63EC	Planada	
CO	43	nc		K31EK	Craig (move from ch. 31)	
CO	45	nc		K29DL	Maybell (move from ch. 29)	
MS	20z	33.2		W20BP	Natchez	
NY	59-	7.3		W59DG	Elmira (TBN)	42-04-30N/ 76-46-55W
OH	30z	2040	nc	WHCP	Portsmouth	
WI	57+	5000	340	WJNW	Janesville	42-43-40N/ 89-13-58W

CHANGES GRANTED TO EXISTING FACILITIES

St.	Ch	ERP	HAAT	Call	City	
AK	10n	0.16		K10LS	Juneau (KTOO [3])	58-18-00N/134-24-45W
CO	66n	18.28		K66BN	Durango (KOB [4])	
FL	21n	32.8		W21AX	Miami (from z offset)	25-46-29N/ 80-11-19W
FL	47n	24.4		W47BG	West Palm Beach (TBN)	
NJ	23z	25		W23BA	East Orange (INTv)	
NM	68n	15		K68FV	Las Cruces (KDBC [4]; from K61AV)	
NY	4-	0.004		W04BG	Binghamton (WSKG [46])	42-03-22N/ 75-56-39W

CHANGES GRANTED TO CONSTRUCTION PERMITS

St.	Ch	ERP	HAAT	Call	City	
AR	44n	5		K44EV	Hot Springs (TBN)	34-33-56N/ 93-05-03W
AR	54n	8		K54ER	Jonesboro (TBN)	35-53-27N/ 90-40-26W
AR	27+	0.9		K27FC	Paragould (TBN)	36-01-52N/ 90-30-57W
AZ	34+	nc		K34EE	Cottonwood	34-41-11N/112-06-58W
AZ	41+	25		K41EN	Phoenix (from K69HJ)	
AZ	20z	49.4		K20FO	Sierra Vista (KVOA[4])	31-29-08N/109-57-21W
CA	22-	126.4		K22FJ	Calexico	32-57-12N/115-30-05W
CA	20n	20.75		K20CS	Porterville	36-06-25N/119-01-45W
CA	19z	nc		K19EF	Templeton	35-38-45N/120-44-16W
DC	28z	14		W28BY	Washington	38-56-24N/ 77-04-54W
					(from W63BO Baltimore, MD)	
FL	51+	11.84		W51CO	Tallahassee (Box)	30-29-36N/ 84-17-01W
ID	33n	42.11		K33DT	Boise	
IN	58-	55.8		WBND-LP	South Bend (ABC)	
LA	55-	10.1		K55GT	Alexandria	31-18-24N/ 92-24-12W
					(from plus offset)	
NY	39+	16		WXNY-LP	New York	40-44-50N/ 73-56-38W
ON	12			CHCH-TV-2	London	

The following changes have been granted to the wireless cable system at Acton, Tennessee, 34-59-41N/88-31-17W:
(tower is actually in Mississippi)

W34BU 12.1KW W46CE 13.5KW W49BK 14.1KW W62CK 14.7KW

TECHNICAL CHANGES ON THE AIR

AK	11+	K11TH	Nome; moderate power & major tower height increases. (why a plus offset in Nome?! This is a 3ABN.)
AL	40-	WJSU-TV	Anniston; major power & tower height increases, move about 40km west-southwest.
CA	23-	K23ES	Sacramento (unknown)
CA	69z	KSWB-TV	San Diego; go elliptical polarization & minor power decrease.
CO	59z	KUBD	Denver; move about 35km west, major tower height increase.
CO	47z	K47DE	Haxtun; minor power & tower height changes. (Also K49AF, K51AI, K53AJ, and K55CD, all no offset)
FL	41	WJAN-LP	Miami (unknown)
FL	2+	WTIG-LP	Naples; moderate power & tower height increases.
NC	62+	WASV-TV	Asheville; <u>HUGE</u> power increase (from 12.3 to 5000KW), major tower height increase, and move about 32km south-southwest.
ND	22n	K22AK	Devils Lake; minor power decrease & tower height increase, move about 4km west.
NV	17+	KEEN-LP	Las Vegas; huge power and minor tower height increases, change from zero offset.
NY	35z	WNYX-LP	Mineola (unknown -- from ch. 39?)
NY	40+	WBGTV-LP	Rochester; major power decrease, moderate tower height increase, move about 20km west.
SD	32z	K32DK	Watertown; major power increase. (KTTW [17] xltr.)
WA	22z	KSKN	Spokane; major power decrease.

James Roggentine (Joliet, IL) sent a flyer from TBN indicating their W36AO Palatine should be operating from the Sears Tower in downtown Chicago (same site as W23AT) by the time you read this. I happened to see Paul Crouch mention that on my local WPGD [50] as well. The station will still be licensed to Palatine, but the much greater tower height should greatly improve coverage.

NEW STATIONS ON THE AIR

Call:	Ch:	Location:	Power & HAAT:	Coordinates:
K28FF	28+	Prescott, AZ	56.9KW	34-13-58N/112-22-13W
K26CO	26z	Redding, CA	42.3KW	40-39-06N/122-31-32W
W51BU	51z	Indianapolis, IN	6.49KW	39-46-11N/ 86-09-26W
K05KK	5n	Poplar, MT	124 watts	48-07-40N/105-04-21W
W34BS	34n	Atlantic City, NJ	28.6KW	39-21-02N/ 74-27-26W
K40ET	40n	Artesia, NM	10.1KW	32-47-39N/104-12-27W
W23BP	23+	Watertown, NY	34.9KW	44-03-20N/ 75-57-15W
K65GU	65-	Oklahoma City, OK	38.2KW	35-17-22N/ 97-21-30W
CHCH-1	11z	Ottawa, ON	60KW/190m	45-13-01N/ 75-33-51W
CHCH-3	67z	Severn Falls, ON	2572KW/305m	44-58-14N/ 79-46-58W
CHCH-4	41+	Sudbury, ON	35KW/172m	46-25-29N/ 81-00-54W
CHCH-5	38-	Sault Ste. Marie, ON	5KW/113m	46-35-50N/ 84-16-53W
CHCH-6	32+	North Bay, ON	5KW/116m	46-18-10N/ 79-24-40W
CHCH-7	11-	Timmins, ON	3.3KW/142m	48-28-12N/ 81-17-50W
CKMI-TV	20	Quebec, PQ		
K65GD	65n	Amarillo, TX	54.5KW	35-20-33N/101-49-21W

Other sources suggest CHCH-TV-1's offset is minus. I believe zero is correct. Jim Renfrew is seeing WBGT-LP [40] Rochester, NY, back on the air, so far with only unID bars. And David Cox in Birmingham says W38BU Moody, AL has begun programming with America One.

STATIONS DELETED/DISMISSED/ETC.

AK:	K53FE K55GU K57GM	CA:	K20CB	PA:	W25BK
	K59FF K61GK K63FN	CO:	K21EC	SD:	K50EF
	K65FZ K67GI K69GY	HI:	K43EA K54EB	WI:	W35BI
AL:	W16BD W19BV W36BQ	KS:	K57GX K60FU K64EX	WY:	K14JG K18ER K20FA
	W40BE W49BM W57CC	LA:	K24EO K26EV K53EX		K30EQ K48FE K56FV
	W59CQ W65CW		K61GT K69HP		K58EW K64EP
AR:	K23EP	MD:	W38BN		
AS:	K20ET K22ER K24DZ	ME:	WFW-LP [41]		
	K26EG K28EG	MT:	K22EZ K26EQ K60FT		

K21EC was a permit for a KTSC [8] translator in Grand Junction. It was canceled at KTSC's request -- presumably as new full-service PBS affiliate KRMJ [18] has just gone on the air in Grand Junction. AS is American Samoa. WFW-LP is still licensed, but Russ Miller hasn't yet seen it this year. It's presumably off. It's not permanently deleted yet though.

CALL CHANGES

Was:	Location:	Now:			
K31CK	Tucson, AZ	KWTA-LP	K28FB	Bozeman, MT	KWYB-LP
KUZZ-TV[45]	Bakersfield, CA	KUVI	KAQR [10]	Helena, MT	KBCC
K68FS	Calabasas, CA	KNLA-LP	W34BS	Atlantic C., NJ	WQAV-LP
K120J	Palm Springs, CA	KYAV-LP	NEW [25]	Carlsbad, NM	KAXN
KPWB-TV[31]	Sacramento, CA	KMAX-TV	KZIA [48]	Las Cruces, NM	KMAZ
K25DV	Santa Rosa, CA	KDTV-LP	K17CT	Las Vegas, NV	KEEN-LP
K38CU	Colo. Sprs., CO	KJCS-LP	NEW [5]	Quebec, PQ	CBVE-TV
NEW [10]	Agana, GU	KAXM	KNBN-LP[24]	Rapid City, SD	KKRA-LP
NEW [21]	Dodge City, KS	KDCK	K27ED	Rapid City, SD	KNBN-LP
WLCN [19]	Madisonville, KY	WWAZ-TV	K44CW	Sioux Falls, SD	KBNW-LP
WUCK-TV[35]	Bad Axe, MI	WDCP	K12ON	Bryan, TX	KSCM-LP
WUCM-TV[19]	Univ. Ctr., MI	WDCQ	K30CS	Lufkin, TX	KFXL-LP
W10BD	Jackson, MS	WBMS-LP	KA VT [19]	Richfield, UT	KUES
			WAWB [65]	Ashland, VA	WUPV

KNBN-LP is a NBC affiliate; note that this station has, in effect, moved from channel 24 to channel 27. The WLCN=>WWAZ change reinforces my suspicion this station will change from religion to a UPN/WB affiliate.

PROGRAMMING CHANGES

KCNS [38]	San Francisco, CA	Sold to "SAH Acquisition Corp. II" (to be Shop-At-Home?)
K62BU	Lake George, CO	Sold to KTSC [8], PBS.
WSIT-LP[42]	Washington, DC	Translates WSHE [60].
W65CX	Elizabethtown, KY	Sold to TBN.
W59CR	Durham, NC	Relays WACN-LP [57].
W66CU	Raleigh, NC	Relays WACN-LP [57]? (co-owned)
W46BF	Sanford, NC	Shepherd's Chapel, NET, and local.
WHIG-LP[57]	Rocky Mount, NC	Shepherd's Chapel.
WRAY-TV[30]	Wilson, NC	See KCNS [38] San Francisco.
RTVG [17]	Grand Island, NE	Fox & UPN.
KHGI [13]	Kearney, NE	ABC & Fox.

PROGRAMMING CHANGES

WQAV-LP [34]	Atlantic City, NJ	Seen with "Guam TV".
K08LA	Black Lake, NM	To translate KRQE [13], CBS.
KHFT [29]	Hobbs, NM	UPN parallel to KASY [50]?
K22EW	Mora, NM	To translate KRQE [13], CBS.
K31EO	Mora, NM	To translate KNME [5], PBS.
KAUO [19]	Santa Fe, NM	To be WB when built.
K28EU	Laughlin, NV	Sold to KVVU [5], Fox.
WBGH-LP [8]	Binghamton, NY	Sold to WETM [18], NBC.
W62BT	Youngstown, OH	Sold to W66BQ ("WBGN").
WQEX [16]	Pittsburgh, PA	Temporarily relaying WQED [13], PBS.
W63AU	Pittsburgh, PA	home shopping, "WNEU", ex "WFIT".
K22DP	Bryan, TX	Translates KXXV [25], ABC.
KTRG [10]	Del Rio, TX	America One (NOT Fox or WB).
K52EA	San Antonio, TX	America One parallel to KTRG [10].
K22DE	Tooele, UT	From KUED [7] to KSTU [13], Fox.
WUPV [65]	Ashland, VA	From WB to UPN.
W30BG	Bridgewater, VA	Translates WVIR [29], NBC.
W39AD	Cent. Rockingham Co., VA	Translates WTTG [5], Fox.
WVVI [66]	Manassas, VA	INTV.
WJCB [49]	Norfolk, VA	INTV.
W46AE	So. Rockingham Co., VA	Translates WTTG [5], Fox.
WSHE [60]	Martinsburg, WV	INTV & Worship.

WQEX is expected to become religious WPCB in February 1998, at which time WPCB on channel 40 will become an INTV station, presumably under different call letters.

OTHER STUFF

CHCH-TV-2 was originally granted for channel 51+. Saul Chemos says there was opposition to the use of that channel, and channel 3 was proposed instead. That, too, was successfully opposed; now, they get channel 12 which Saul says has been approved by the CRTC. I haven't yet seen anything official on this, but because of the split in responsibility for technical and non-technical regulation of broadcasting in Canada, purely-technical changes like this may not be visible to me until mid-December. It seems to me this is dangerously close to WICU [12] Erie, Pennsylvania. But Canada allows directional antennas with much deeper nulls than those allowed by the FCC; this would allow the construction of a channel 12 of moderate power at London without causing interference.

A permit has been granted for an experimental station in channel 6 in Washington, DC. U.S.A. Digital Radio, L.P. is the permittee, and the station is for making measurements for a digital radio system. (I do not think the applicant actually expects to commercially broadcast digital radio in channel 6; I think the intent is to test how digital radio will perform in the 88-108MHz band, with channel 6 being the nearest available clear frequency.) The unwieldy callsign WZ3XZZ has been assigned to this station.

KHLM-LP [43] Houston has applied for an experimental permit to operate as a digital station. Eric Voytko is seeing DTV activity on channels 30, 31, 34, and 35. He says it "looks like 'thicker' snow, with data stream audible on ICOM receiver."

The FCC's Audio Services Division (which mostly serves radio) has added a station address search to its Internet pages, and this search also works for TV. The URL is:

<http://www.fcc.gov/mmb/asd/seacall.html>

This page is great for those into QSLing their DX catches!

Greg Coniglio reports that Bob Seybold in western NY State has seen a scrambled station on channel 51 coming from the direction of Michigan. There are three LPTV wireless-cable operations authorized to use channel 51 in Michigan; W51BX Crystal (117 watts), W51CR Petoskey (1KW), and W51CS Pinconning. (17KW) I suspect the latter -- does anyone in Michigan know?

Fernando Garcia is still seeing La Cadena del Milagro on suspected K52FR Harlingen. There still have been no IDs. This is a Spanish-language religious station, and Fernando says the programming originates in Puerto Rico.

Thanks to Chip Kelley, Bill Hepburn, Jeff Kitsko, Jeff Kadet, Russ Miller, Greg Coniglio, and Eric Voytko for information used in this month's column.

FORUM

Russ Miller, Houlton ME:

Regarding Russ' unID-2 with BBS and channel 12 logos, Russ says he's received word from Danny Oglethorpe that this is CHBX Sault Ste. Marie. Danny has seen local ads on this station. My information was that CHBX was not a BBS station -- but I could certainly be mistaken about that.

Two Maine stations have fallen victim to the expenses of the DTV conversion. WLBZ [2] and WCSH [6] have been sold to the Gannett Corporation, owners of KUSA and WUSA TV (both channel 9) and *USA Today*, among hundreds of other newspapers. Gannett will have to sell either WCSH or WGME [13], as both stations are licensed to Portland and FCC regulations still only permit one VHF station to an owner in a market. The stations' old owners, the Maine Television Corp., told local media the high cost of digital upgrades was the main reason for the sale. Other small-market stations (for example, KFWU [8]) have also been sold to larger group owners for the same reason.

Russ has also seen the new CKMI [20] Quebec City.

Bill Hale, Dallas TX:

Steve Ryan, Toronto ON:

Both sent information about the tower collapse at WLBT [3] Jackson, MS. This tower (which also supported WMPN [29] and a FM station, presumably WMPN-FM, collapsed during guy wire maintenance on the morning of October 23. Three tower workers were killed in the incident -- and four people in the WLBT transmitter building at the base of the tower narrowly escaped injury. Channel 3 has a backup antenna on a 150 foot tower on the same premises, and only had to repair transmission line damaged in the collapse to return to the air. I don't know the status of WMPN.

Steve Ryan says video of the collapsed tower was shown on Canadian news that night; it seems the workers killed were Canadians. Royal-LeBlanc, an Ontario construction firm, is one of the larger companies in the construction of tall broadcast towers. Presumably, these workers were employees of this company.

Speaking of tower collapses, KXTX [39] Dallas lost its tower earlier this year. Bill says KXTX is now back on the air and promoting "ready for the digital age" - and LMA partner KXAS [5] is running similar promotions. Note that KXAS has filed its DTV application, becoming one of the first stations to do so.

Jeff Kadet, Macomb IL:

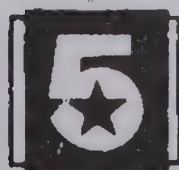
Last month, Jeff reported that KLKE [24] seemed to be a 2.5-million-watt translator of KLKN [8]. This month, he has proof.. He received an email response from the station (TV8NEWS@aol.com) in which they write "KLKE channel 24 does re-broadcast KLKN channel 8 but not directly off the air. The ch. 8 signal is picked up off a tower in Genoa, NE and transmitted by microwave to Elgin where it is re-broadcast by channel 24." It so happens Genoa is very close to where the channel 8 transmitting tower was when KLKN was KCAN [8] licensed to Albion. KLKE does not transmit from the old channel 8 tower - but it sounds like it is using that tower to pick up KLKN for rebroadcast. Midwestern DXers should expect some interesting things to appear on channel 24 via this "mega translator".

Midwestern DXers seeing Spanish-language programming on channel 57 could be excused for believing they have something really exotic. Unfortunately, it might not be quite so distant. Jeff has seen Spanish-language religious programming on new KSBN [57] Springdale, Arkansas.

DX ETC.

DX continues scarce in the mid-South. Unusually cold (and wet) weather has not been conducive to long-haul propagation - not that I've had much time to DX lately. However, there seems to have been an unusual amount of off-season E-skip. I was surprised to contact several Chicago-area stations on the 21MHz ham band during the CQ WW contest in late October, just about the worst time of the year for Es, and even more surprised to discover skip in channel 4 the next night! No IDs here, though others IDd stations from the West. Not that I have any science to back it up, but I suspect the stormy winter being predicted as a result of El Niño will result in an unusually good winter skip season. At least I hope so!

73 Doug



The Texas News Channel

WESTERN TV-DX

December 1997

Victor Frank
12450 Skyline Blvd.
Woodside, CA 94062-4541
email frank@sneezy.sri.com
(650)851-7031

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805) 687-7803

With some evidence of Autumn weather and more weather fronts stirring up the air, tropo conditions in Santa Barbara were not as consistent in this month of October 1997. At the end of September, tropo DX on TV and FM from San Diego/Tijuana (175-200 mi) was good, but then down to fair-poor Oct. 1-6. There was no tropo at all Oct. 7-16. Oct. 17-18 was very good, including K35DG San Diego (University of California, San Diego, 175 mi), with its emphasis on identifying as "UCSD-TV." It was as good as I've seen it here on my indoor bowtie, with poor-fair picture and noise-free sound. Also noted then was herringbone on local KWHY-LP 65 from what appeared to be a ch-64 aural signal; no visual signal noted. Tropo was still good Oct. 19, but all gone Oct. 20. I was out of town Oct. 11-15 & 25-29, arriving back in Santa Barbara Oct. 29 eve to find fair tropo once again, through Oct. 31. {Ed. note: see radio amateur reports at end of column}

I was at my TV receiver in Wasco, twice briefly, in connection with quick business trips further north. On Oct. 11-12 and 15 morning, nothing in particular was noted. On Oct. 25-26 and 29 morning--wonders of wonders--some SKIP was seen one morning, with the 1-bay conical in Wasco. Miles approx.

October 1997		PST
29 Es 1045	KUSDT 2 SD MrRogers, 1059 "Univ. of SD," 1100 pgm on psychology of listening	1325
1131	KNOP 2 NE ID during NBC Another World, & ID 1159	1100
1228	KCNCT 4 CO CBS promos	860
1230	KWGN 2 CO promo Denver nx, ID, WB2 "	

I got in on what appeared to be the start of the opening. The first logging was kind of scrambled at 1059 ID time--could have been two different PBS stations among the two programs. Too bad I had to leave at 1230 as it was still coming in. Unusual time of year! Is there a tendency for more off-season Sporadic-E when summer Es is bad?

William Eckberg, 1032 Stirling Rd., Dixon, IL 61021

Equipment:
VHF-CM1110 at 41' with Belden 8275 cellulene, 1966 Zenith TV. UHF-Screened CM 7' dish with RDX Labs UA903 hi input lo noise amp for strong signal areas. At 53' on a Rohn crankup tower and 130' of

Jerrold RG11 coax. 1990 AC-DC Zenith portable TV.

September 1997		CDT
01 tr 0140	KSAX 42 MN	404
0145	KWCM 20 MN Worthington	336
0500	KLKE 24 NE Albion sat KLKN-8	435
0515	KHNE 29 NE	464
	KXNE 19 NE	402
03 tr 0730	KHNE 29 NE	464
04 tr 0030	KSAX 42 MN	404
0040	WLFC 68 VA	487
	W56DN 56 IN Evansville horserace LP	270
0100	WFIQ 36 AL	483
	WHIQ 25 AL Huntsville	503
0110	WAFF 48 AL	503
0115	WTTO 21 AL	582
	WAAY 31 AL	503
0125	WBMG 42 AL	502
	WZDX 54 AL	503
0200	KTEJ 19 AR	409
0205	WOWL 15 AL Florence	483
0230	WCFT 33 AL	593
0510	WYMT 57 KY	449
07 tr 0415	K42AV 42 MN St James xltr KLGT-23	303
12 tr 0600	KSAX 42 MN	404
14 tr 2025	KSAX 42 MN	404
	2100 KDSD 16 SD	509
15 tr 2340	KSAX 42 MN	404
18 tr 0510	K68DK 68 KS Overland Park LP	334
	0835 WBMG 42 AL	582
22 tr 0120	WYMT 57 KY	449
	0255 WPTY 33 WV	428
24 tr 0350	KSAX 42 MN	404
25 tr 0200	WPBY 33 WV	428
	0300 WNPA 19 PA Jeanette	517

October 1997		
01 tr 1320	KSAX 42 MN	404
05 tr 0400	KSAX 42 MN	404
	0800 WUXP 30 TN	408
	0830 W67CB 67 IN Evansville LP	270
06 tr 0020	WCFT 33 AL	593
	0230 WAFF 48 AL	503
	WZDX 54 AL	503

There are two IDs from my Oct. report. Ch. 41 with KEYC-12 to the NW is K41EG Jackson, MN, a 1.8 kW wireless cable operation. TCL ch 45 unscrambled to the NW is 1.5 kW wireless station W45EF, Iowa Falls. Thanks to a fellow DXer for the info. It's amazing 1.8 kW Jackson-41 could propagate 309 mi.

Sept 4 saw the strongest opening ever into AL, lasting only two hours but productive with new stations. I've had 100 plus openings into the area, but never with this intensity. Florence 15 was good in spite of numerous blocking stations.

Western TV DX *(W. Eckberg's report concludes.)*

At 0300 on Sept 25, I saw C/B on ch. 19 to the east for an hour with a very small ID and sub microscopic QTH. Briefly when snow free, I saw WNPA. Quite a mystery as there is no listed WNPA-19. Info in the Oct. VUD lists it as the resurrected WFAT-19 Johnstown PA with at least three call changes. One being recent. Probably the QTH on the C/B is Jeanette-Pittsburgh.

Fernando Garcia, San Salvador 415, Rincon de la Sierra, Cd Guadalupe, NL, 67181 MEXICO

Equipment:

Sony KV-27EXR15, Screened CM 7' dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60'.

1800' ASL, No re-logs all tropo over 500+ miles.

October 1, 1997 CDT/CST

0130	KADN	15	LA Lafayette	586
			close to snow free, Jenny Jones	
	KLTL	18	LA Lake Charles	548
	KLPB	24	LA Lafayette LPB	567
	WLPB	27	LA Baton Rouge, // ch 24	638
	KVHP	29	LA Lake Charles \$	530
	WLAE	32	LA New Orleans	694
			calls on screen	
	WVLA	33	LA Baton Rouge \$	633
	WHBR	33	FL Pensacola, shopping	838
	KLAX	31	LA Alexandria	618
0145	WPMI	15	AL Mobile	838
	WNOL	38	LA New Orleans \$	694
	WUPL	54	LA Slidell, UPN 54 in blue	705
	WGMB	44	LA Baton Rouge, over KLUJ	633
	WCCL	49	LA New Orleans HSN	688
	WEIQ	42	AL Mobile, SAP	825
	KETK	56	TX Jacksonville NBC	532
	KFXK	51	TX Longview \$	557
0200	WFSG	56	FL Panama City, SAP	929
	KWBJ-LP	39	LA Morgan City, audio=3DWX	618
	WMAH	19	MS Biloxi	770
	WGNO	26	LA New Orleans	694
	WTWC	40	FL Tallahassee	1030
			Test Pattern	
	WPAN	53	FL Fort Walton Beach VCC	869
0215	WHNO	20	LA New Orleans	688
	WMPV	21	AL Mobile TBN	842
0530	K66FI	66	LA Opelousas TBN	599
	WMAU	17	MS Bude	697
	K67GL	67	LA Bunkie w/WNTZ-48	614
0545	KXTX	39	TX Dallas, SAP, \$	518
	KFWD	52	TX Fort Worth, TMD cartoons	522
	KDTX	58	TX Dallas TBN	518
	KINZ	68	TX Arlington Worship	518
0550	KVUE-24	TX,	barometer 30.00S, humidity 81%	
0600	KMSS	33	LA Shreveport	615

October 10, 1997

0530	KTRG	10	TX Del Rio, B&W movie	257
0600	XHAMC	34	CU Cd Acu=A4a w/XEW-2	250

All Televisa TV stations were off (rare) allowing the reception of the two stations above.

October 25, 1997

0515	KHSX	49	TX Irving HSN	518
	KDAF	33	TX Dallas	518
0530	KLDT	55	TX Lake Dallas, shopping	544
	KDFI	27	TX Dallas under KLDO	518
0730	KTXA	21	TX Fort Worth	518

October 28, 1997

0530	WFTS	28	FL Tampa	1116
			ABC 28 News, temp. 52=F8 and time EST at bottom left of the screen in white. My local sign on at 6 AM.	
	WWWB	32	FL Lakeland	1135
	WTTA	38	FL St. Petersburg	1116
	WBHS	50	FL Tampa HSN	1116
	WRBW	65	FL Orlando, cartoons, weak	1192
	WBSF	43	FL Melbourne HSN	1200
0545	WBCC	68	FL Cocoa	1200
	WFTX	36	FL Cape Coral FOX	1142
	WGCU	30	FL Fort Myers	1144
	WUSF	16	FL Tampa	1116
0630	WACX	55	FL Leesburg Rel.	1180
0700			FL signals gone	

October 30, 1997

2230	K57GO	57	TX San Antonio 3AB	276
			under XHFTX over the same path. I didn't expect to log this one.	

October 31, 1997

0845	KMPX	29	TX Decatur	537
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500+ miles were also noted in the following days: 2, 3, 14, 20, 24 & 30. This month tropo openings were below the average. Last two years I logged up to 100 TV stations of 500+ miles in October, this year only 50.

73's Fernando

Mike Cherry, VE7SKA, Box 631 Ganges PO, Salt Spring Is., BC V8K 2W2 CANADA

October 1997

11 AuE	0359	CBWFT	3	MB	50°	UTC
	0430	CKCK	2	SK	60°	
24 Es	0157	KREG	3	CO	120°	
	0200	KWGN	2	CO	120°	

November 1997

07 AuE	0456	CKCK	2	SK	55°	
	0459	CBKMT	4	SK	55°	
	0530	CBWFT	3	MB	55°	

Pat Dyer, WA5IYX, 5315 Silvertip Drive, San Antonio, TX 78228-2744

November 1997

08 Es	2357	WEDU	3	FL	Tampa	UTC
09 Es	0059	WPBT	2	FL	Miami	

Western TV DX

James Pizzi, 814 Brookhill Drive, Paso Robles, CA 93446

The following is a bandscan report from my vacation this past summer. I left Paso Robles on 7-12 and arrived in Rochester, NY on 7-15. Left Rochester on 7-29 and returned to Paso Robles 8-2. All times are PDT. Equipment used: 12" B&W (Emerson), unamplified u/v indoor antenna on back deck of car. TV in passenger foot-well.

Saturday, July 12 PDT
 0935 on Rt 46 near I-5, **K60DX** w/informercial
 0938 **KMSU-59**
 0940 **KBFK-36** w/shopping
 1004 I-5 near Rt 223 on ch 15 w/kid pgm **K15CO**
 1021 I-5 ch 26 **KMPH**
 1023 I-5 **K33BY** w/nostalgia (still 8.31 kW, not 40.4--
 KFBK-36 much stronger
 1143 East of Mojave on Rt 58, ch 38 weak unknown
 w/shopping
 1145 ch 40 **KTCN**
 1147 **K47CC** w/PBS-KCET-28, **KBAK-29** weak,
KHSC-46
 1155 LA V's 2,4,5,7 weak 9, 11 & 13--still 40 miles
 west of Barstow,CA
 1243 in Barstow **K15BZ** w/KCBS-2, **K17CN**
 w/movie-was Newport Fox
 1245 E of Barstow **K19BS** w/women's basketball
KNBC-4, **K23BP**, **KKFX-11** was SS
 1250 **K35BQ** w/UPN? WB?, **K39CS** w/ss, **K41CY**
 w/High Tide ?network, **K44DV** w/KCET-28
 1304 **K67AZ** w/PBS weak, **K61AE** w/KABC-7
 1522 N.E. on I-40, 28 miles N. of Needles, CA in AZ
K44DK w/KNXV-15 (was KSAZ-10)
 1538 50 mi N. of Needles on I-40, **K57??** w/KNXV-15
 (Kingman?) **K60AX** w/KTVK-3 // 14 m.S. of
 Kingman **K66AK** w/informercial
 1605 **K68AK** w/PBS//**K55GG** w/KUSK-7
 1653 I40, 35 mi W of Williams, AZ **K27DN** w/KPHO,
K25DP (25 very weak, 27 viewable)w/KSAZ-10
 1719 **K64BI** w/KPHO-5 very weak--Now in Williams
 1724 **K60BP** w/KTVK-3-//**K29DK** w/KUSK-7 weaker
 than 60 & 641
 1730 **KWBF-13**, **KNAZ-2**
 1742 **K06MT/KZZA-LP**
 1804 **K30??** w/KUSK-7, **K28CW** w/KUTP, **K26DH**
 w/KSAZ-10
 1808 **K52CM** w/KNXV-15, **K62BA** w/TBN, **K66BS**
 w/KAZT-8, **K68BW** w/KSAZ-10
Sunday, July 13, 1997
 0811 in Gallup, NM, **K68BU?** w/CBS, **K66AN** or
K66BX w/?**K64BNw?**. Few miles E of Gallup
K60?? w/KNME-57
 0820 **K59BH** w? 16 mi W of Thoreau, NM, **K57AL**
 w/KRQE-13
 0822 12 mi W of Thoreau **K55BP** w/KOAT-7, **K53??**
 w/KOB-4 (**K534AW?**)
 0829 Now in Thoreau w/hint of **K20FB** Grants w/Fox
 0831 276 mi from Grants, **K61??** w/KNME
 0910 East side of Grants, **KOB-4**. 55 mi W. of Albq,
 all V's in except ch 11. **KNAT-23** at 49 mi,
KAZQ-32, **KLUZ-41**, **K48AM** w/KLUZ
 0933 **KASY-50**, now 45 mi W of Albq

0935 40 mi W. of Albq on I-40, all U's & V's at or
 near snow free. 25 mi from Albq **KCHF-11**
 0950 **K56FB** w/Box, **K59DB** w/TMD, **K61EQ** w/RE2
 1029 now on I-25 N 25 mi S of Santa Fe
 1048 **K20??** w/?? Albq weak
 1050 **K26??** w/soccer weak--near Santa Fe w/KLUZ-41
 1052 **K52BS** w/REL not TMO
 1206 **K21??** w/?? movie in Las Vegas, NM, **K65BQ**
 w/KNME @ 1209
 1215 **K22EW** w/cowboy movie (**KNAT-23** still in-
 weak) **K22EW-SS**
 1220 **K58DW** w/KNME-5
 1233 **K68BO** w/KNME-5
 1249 **K19??** w/?? o;n I-25@Colfax County Line Exit
 404--weak BLIP
 1259 5 mi S of Springer, NM **K16CH** w/? weak
 1303 Several miles E of Springer, NM on US 56/412-
K38?? w/boxing--strong, **K40??** strong,
 movie, **K57??** w/women's golf--weak, **K58??**
 w/PBS--strong, **K60??** w/PBS, **K66??**. Now
 16 mi E of Springer NM.
 1326 Now 30 mi E of Springer, NM **K62AR**
 w/KOAT-7, **K54VN**, **K50DY**, **K46BY**
 1402 9 mi W of Clayton, NM 107.9 KDZA Oldies 108
 Pueblo, CO
 1504 On US 56-64-412 in
 Boise City, OK **KBIM** 94.9 Roswell NM
 1548 In Guymon OK **K63DM** w/?, **K65DS** w/KVII-7,
K69EQ w/KFDA
 1706 Near Liberal, KS on US 54 **K25??**
 2021 In Wichita KS **K15DD** w/shopping
July 14, 1997
 0658 **K51DN**, **K55FS**, **K59DA** (51w-SS), **K61GC** w/REL
 0705 On I-135 ch 27 weak ch 29 w/movie, ch 17, ch
 19 all weak. Approx 20 mi N of Wichita, KS
 0719 Now N.E. on US Rt 50 **K14??** weak w/REL,
K29?? weak, **K44??** weak
 0756 Near Clements, KS **KSNT-27**
 0814 **WIBW-13**
 0817 **KCTV-5**, **K34??**, **KMCI-38**
 0822 **KTKA-49**, **K43EO**
 0833 15 mi E of Emporia, KS **K25??** strong, **K17CK**
 strong
 0856 **KTWU-11**, now on I-35
 0903 **K14HY**, near Ottawa, KS **KCPT-19**
 0912 **K29CF** w/REL, **KSHB-41**, **KSMO-62**
 0916 **KINB-50**
 0933 **KTAJ-16**
 0935 East on I-70 E of K.C.,MO **KMIZ-17**
 1037 **KMOS-6**, **KNLJ-25** near Exit 106 on I-70, weak
 41 still **KSHB?** or **K41??**, **K56AU** 20 mi from
 Columbia
 1154 **K11SN**, **KRCG-13**
 1539 Missed recording St. Louis because batteries went dead.
 On I-70 30 mi E of St. Louis **WAND-17 -23**
 w/Fox, **WCEE-13**, **KNLC-24**, **WTCT-27** w/TBN
 1557 **WRSP-55**, **W57DI** w/nx pgm, a weak ch 63
 w/severe wx crawl at bottom of screen, two
 weak on ch 58, **WCFN-49** w/CCI, **WBAK-38**
 (Now about 120 mi from Terre Haute on I-70
 1602 **WICD-15**, **WUSI-16**, **WI**, **WSIUL-12** w/CCI-8 in
 Vandalia, IL, **KPLR-11** still in weak
 1606 Ch 27 mix of **WTCT** & **WCCU** on I-70, **W28BE**,
 unkn ch 30 strong, **WMBD-31**, **WBAK-38**
 strong, ch 40, ch 41 weak ch 41 ad for Harris
 Metals and ABC Net Upside Down Trangle
 w/41 in it, **WEIL-LP** (W41BL) Effingham
 1626 **WEVV-44** w/wx warning, unkn ch 46,

Western TV DX *J. Pizzi's travelog concludes*

- WFIE-14. Now at Exit 92 on I-70 Junction I-57, WEHT-25, unknw ch 30 w/Fox (same @ 1606)
- 1637 Weak ch 32, 9 mi E of Effingham, IL. Ch 38 w/CCI both w/Fox, weak ch 34 W34AY?
- 1642 WHSL-46 w/HSN about 120 m. E of St. Louis, WEIU-51
- 1646 Weak ch 63, 25 mi E of Effingham (W63BW/WTSN-LP?), WTHI-10, WTW-2, strong ch 55 w/Star Trek NG
- 1653 Also ch 27 parallel to ch 55—WRSP-55 & WCCU-27, 60 mi from Terre Haute, IN Weak ch 28 (W28BE still?)
- 1656 Weak ch 32 coming from S to SE (determined by passing semi-truck blocking direction of signal) CBS WLKY-32 near Exit 129 on I-70
- 1700 WHMB-40, WDRB-41, weak ch 43 Fox WYZZ-43
- 1753 Two ch 15s weak (Just E of Terre Haute) WKPC-15 & WICD-15, WTIU-30 PBS w/CCI, WLKY-32 Good w/storm report to 1802,
- 1803 Weak ch 35 also parallel to ch 42 Medical pgm about human heart or infomercial? TBN?
- 1916 WNDY-23, WALV-LP-27 (W27AR) w/strong CCI. Now in Indianapolis
- 1920-22 WTTK-29 w/WTTV-4 (also in), WCLJ-42, WIPB-49 very strong, Indy Vs
- 1923 ch 52 w/documentary on music—strong signal WLIB-63 strong
- 1926 WTB-69, WAND-17 (150 mi W) now East of Indy WDRB-41
- 1937 chs 2,3,4,&5, WLWT-5, WDTN-2, WAVE-3, WCMH-4, WHAS-11
- 1959 Now in Richmond, IN WRGT-45
- 2030 Motel cable—WTHR-13 w/heavy CCI (prob. WCEE-13)

This day there was a weather front passing through the area—south to east with some north enhancement—good tropics

July 15, 1997

- 0635 Parking lot at Days Inn, Richmond, IN WPTD-16, weak ch 20 (WFYI-20), WKEF-22, WNDY-23, weak ch 38 (WBAK??), WKOI-43, WCET-48, WXIN-59 weak, WPTO-14 weak (not 5 MW@305'?)
- 0642 WXIX-19 weak, WTTT-28 weak
- 0646 Two ch 38s, one w/cartoons, the other w/talk show (WKMR-38/WBAK-38??) 10 mi into OHio on I-70 WPTO-14 stronger WTJC-26, weak ch 36—WUPW? WXIN-59 still in weak
- 0702 W51CJ/WUCT-LP-51 strong, W68BP weak. Two ch 47s 9 mi West of Springfield, OH W47BC TBN
- 0726 Zero beat Finday WFND-LP or W47AB Mansfield?) Fox on ch 31—W31AA Newark??
- 0755 22 mi W of Columbus WOSU-34, WPTD-16, WTTT-28, WWHO-53
- 0759 W58CQ w/TBN, W17AI w/shopping HSS weak on I-270 N
- 0812 WSFJ-51 REL
- 0922 5 mi S of Mansfield, OH on I-71 W47AB w/WOSU-34, W50BE/WOHZ-LP-50. 73 mi from Cleveland WBNX-55 w/Beverly Hillbillies
- 0928 ch 59 weak Fox? W59BP, ch 68 WMFD
- 0930 WAKC-23 strong WOIO-19 weak, WVIZ-25, W32AR weak. Now 60 mi from Cleveland

- near Ashland, OH Exit 186 on I-71 WUAB-43
- 1043 Now on I-90 at 196 mi marker E of Kirtland, OH CFPL-10, CHCH-11, CKCO-13
- 1047 ch 16 CHWI7, ch18 CICO-18?, ch 22 CIII N22 Stevenson
- 1049 WJET-24 weak, ch30 weak Exit 205 on I-90 in OH. W30AY Chagrin Falls?? ch 24 w/CCI, CITYTV2-31 IN strong, W32AS/WRAP-LP-32 weak
- 1052 ch 36 fair w/REL, ch 38 weak, CBLN-40 CBC ch 42 weak (Not Erie TBN) poss. CKCO TV3, ch 44 weak, CBLN TV6-44
- 1056 ch 54 CCI WQLN-54 plus unknw ch 56 weak CBLN TV1-56 poss., ch 61 CBLFT8 weak.
- 1059 ch56 poss, ch 61 CBLFT8 weak
- 1100 CFPL-10 ID, weak ch 62 w/soap, ch 64 w/kids pgm and lots of CCI, W64AK, WETG-66 weak, W67AL strong same pgm as W64AKJ, CFMT-TV-I-69 FF?, WFMJ-21 weak
- 1107 WJET-24 w/CCI, WKBN-27 strong, CITY TV2-3 strong. 46 mi W of Erie, PA on I-90 WSEE-35
- 1109 CBLN-40 snow free, CKCO-TV-3-42 w/CTV promo, ch 17 strong w/edu pgm, WNED-17, 3/4 CB on ch 23, WNEQ-23@1121
- 1122 CICO TV28, near Conneaut, OH, WICU-12, WQLN-54 still w/CCI heavy
- 1215 on Rt 17 E of I-90 WNED-17, WNEQ-23 (still 3/4 CB), both very strong WETG-66 strong—now in NY state.
- 1219 CHCH-11 strong, also CIII-6 Paris, strong.
- 1235 ch 25 CBLFT w/kids pgm, 15 mi W of Jamestown, NY, ch 26 WNYB very weak TBN
- 1351 E of Olean on Rt 17, ch 22 W22AZ TBN
- 1503 Just entering Monroe County on I-390
- 1506 WROL-8, WHEL-10, WOKR-13, WXXI-21, WCNY-24 (as strong as 21), WUHF-31, WNYS-43 weak, ch 49 Buffalo, W59BV TBN
- 1508 WSYT-68 weak

Next time, observations while in Rochester, NY (actually Webster) and trip back.

Locally, K15BD w/KCET-28 PBS, San Luis Obispo, KSLO-LP-20 went off a few months ago. It is back on with Fox News 24 hrs and more power—probably 10 kW ERP. TV Database lists K36AL-TBN as Paso Robles—transmitter is on Cuesta Peak w/KSBY-6, K15BD, KSLO-LP, K09UF (ch 9 listed at Morro Bay).

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

Equipment:

Winegard CA-5254 VHF at 18' AGL; Antennacraft Y5-2 5 element channel 2 Yagi at 11' AGL; Antennacraft P-5 chicken-wired dish at 25' AGL (to feed-point). All on rotors and RG-6.

September 1997	UTC
30 tr 1250 San Antonio 4,5,9,23,29,35,41,60	347
1320 Oklahoma City 9,13,25,34,43	303
1325 KSBI 52 OK ID supered upper left	303
1444 Corpus Christi 10,16	385

Western TV DX *D. Oglethorpe's report concludes*

October 1997			UTC
1 tr	1125	Meridian, MS 11,14,24,30	296
	1135	WIIQ 41 AL APT	346
	1245	San Antonio 4,5	
3 tr	1403	San Antonio 41,60	
	1420	KKYK-LP 22 AR	183
	1425	WMAW 14 MS METV; over KARD	296
		unID 26 3ABN; east	
		Memphis UHF	
7 tr	1400	Memphis UHF	
		KAIT 8 AR	295
0 Es	0055	unIDs 2 TV7 et al S-SE	
tr	1358	WTVB 9 MS	319
		Memphis VHF	
	1440	KAIT 8 AR	295
1 Es	2350	unID 2 TV7 in bar	
4 tr	1259	WTVB 9 MS	319
	1315	WMAH 19 MS	319
1 Es	1559	XEWO 2 AGS/JAL	
	1602	XHG 4 JAL TV4 Guadalajara	1003
	1615	XHATUat 5 JAL XHGC-5	
2 Es	0100	Miami 2,4 FL	939
	0105	WESH 2 FL	789
	2250	unID 2 XHQ-3	
	2302	unID 4 XHGC-5	
	2329	XHG 4 JAL	1003
	2345	XHPVE 4 JAL	1080
		XHPVE-C4 supered 0002	
23 Es	0020	unID 5 Mexico; "3" logo supered	
24 tr	1150	San Antonio 4,5,9	
26 Es	1859	KXMA 2 ND	1110
28 tr	0220	Oklahoma City 4,5,9,13,25	
Es	1520	KTVQ 2 MT	1215
	1530	KTWO 2 WY New logo	996
	1550	KCWC 4 WY Wyoming PTV	1071
	1551	KTVX 4 UT	1160
	1555	KWGN 2 CO 700 Club at 1600	806
	1602	KVOA 4 AZ Note #1	1004
	1607	KSL 5 UT Mash	1160
	1610	unID 2 Mexico	
	1618	KNAZ 2 AZ	1045
	1624	KPHO 5 AZ	1065
	1650	unIDs 4,5 Canal 13//	
	1705	KOB 4 NM	764
		KASA 2 NM	753
	1720	KNME 5 NM	764
		KVVU 5 NV	1238
	1750	KDBC 4 TX	746
	1753	XEPMt 2 XEW	
	1823	unID 2 Canal 13	
	1833	unID 6 Floating	
	1933	KTVK 3 AZ Floating	1065
tr	2200	Memphis VHF	
	2210	KAIT 8 AR	295
	2350	KOLR 10 MO	335
29 tr	0010	Springfield MO 21,27	
		WTVB 9 MS	319
	0040	Cape Girardeau, MO, 12 (Floating)	416
		{KFVS & 23 MO KBSI}	416
	0105	Memphis UHF	
	0510	KTEJ 19 AR	295
	0915	WMAH 19 MS	319
		WXXV 25 MS	309
	1010	WLOX 13 MS	319
	1020	New Orleans V and U	

1332	WVTM	13 AL "NBC 13"	410
1400	WTTO	21 AL	411
	WBMG	40 AL	410
1403	WJSP	28 GA GPTV	512
	unID	34	
	WTJP	60 AL TBN	461
1405	WHOA	32 AL	436
1410	WCIQ	7 AL Note #2	469
1415	WJSU	40 AL "33/40"	468
	WTVM	9 GA	512
1425	WTOK	11 MS	295
Es	1945	unID 2 XEW; weak	

Notes

1--In and out for three hours. Taped their noon Nx at 1900 UTC.

2--APT. My first PBS on channel 7.

Comments

We enjoyed a visit from Jeff Kruszka on November 1st. Although we discussed DX, there was none to be seen on TV (except tapes).

Radio Amateur Reports

Having some extra space this month, I thought I'd apprise you VUD readers of some VHF tropo openings reported by radio amateurs over the Hawaii-CA path, including some statistics by Bob Magnani, K6QXY. First, the reports, in the format I use for the 50 MHz DX Bulletin: mmddhhmm are in UTC.

09290520	KH6HME	539	144.17 B	N6XQ
09291800	KH6HME	51-55 all day	144.17 B	K6QXY
09291800	KH6HME	in/out	432.07 B	K6QXY
09300400	KH6HME	51 -1500	1296. B	K6QXY
10141800	KH6HME	S1 in/out 144 & 432 B		K6QXY
10150600	KH6HME	weak	144.17 B	K6QXY
10151400	KH6HME	in/out all day	144.17 B	K6QXY
10160400	KH6HME	in all night	144.17 B	K6QXY
10160400	KH6HME	579	144.17 B	K6FV
10161500	KH6HME	in/out all day	144.17 B	K6QXY
10300055	KH6HME	539	144.17 B	N6XQ

KH6HME is on Moana Loa; N6XQ is near San Diego, K6QXY is near Sebastapol, and I am K6FV in Northern CA with Bob. July and August are usually the peak months for the California to Hawaii tropo path; October is late in the season for us.

Bob, K6QXY, wondered what effect El Niño would have on the path. (Sea surface temperatures are about 8° F warmer than normal here and now.) He looked back in his log and compared the % of days of the year that the KH6 beacon was received on 144 MHz or higher in CA.

1980	5.5%	days open/year
1981	0.8%	
1982	2.2%	Previous El Niño years
1983	0.3%.....	" " " "
1984	2.2%	
1985	6.3%	
1986	7.2%	
1987	2.7%	1988 Missing
1989	10.3%	

NORTHERN FM-DX

GREG CONIGLIO
90 SLATE CREEK DR. APT #1
CHEEKTOWAGA, NEW YORK 1422

e-mail: coniglio@localnet.com

For DXers in: MA,NH,VT,CT,MA,RI,NY,PA,NJ,OH,MI,IN,IL,WI,MN,IA,NE,SD,ND,MT,WY,ID,WA,OR,AK,Canada
DECEMBER 1997 DEADLINE: The 5th LOG CUTOFF: 3 mos. from postmark

No major openings to speak of, although tropo has remained active enough to at least be interesting. There were several openings in the Great Lakes & Midwest, though no one huge "barnburner". There has been some decent activity along the Atlantic, as well. And despite the awful skip season, there was some decent activity during August. I would like to wish all WTFDAers, and their families the best during the Holiday season and the coming New Year!

DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749

Equipment: Carver TX-11 tuner; IF filter modified. Channel Master model 4408 (Stereo Probe 9) at 69 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz, Belden RG-11/u coax feed.

New loggings are underlined. { } indicates call letter change.

OCTOBER 1997 DX

12 tropo

0936 CJMX 105.3 ON Sudbury, Sudbury's
"Mix-105", rm\$ 334

OCTOBER 1997 DX

19 tropo

0834 {WAYC} 100.9 PA Bedford, call,
r\$, ex. WOXX 136

Not much going on in October but I did see some e-skip on TV channel 2 the 26th. I did KSNC Great Bend, KS around noon EDT.

Dave

JOHN EBELING - 9209 VINCENT AVE. SO. - BLOOMINGTON, MINNESOTA 55431, or: 6483 COUNTY ROAD 47 - ALBORN, MINNESOTA 55702

EQUIPMENT: (PROSIT): Pioneer TX-9500 tuner, IF modified, Channel Master Model 4408 Stereo Probe 9 antenna 20 feet AGL, RG6U coax, antenna hand rotated. (BLOOMINGTON): same tuner, 10 element 1969 Channel Master FM antenna 25 AGL

DX FROM BLOOMINGTON, MN (CST)

MAY 5, 1997 TR

1800 KPNO 90.9 NE Norfolk 282

SEPTEMBER 4, 1997 TR

2320 KCLR 99.3 MO Boonville Clear 99 FM 406

SEPTEMBER 24, 1997 TR

2301 K205CP 88.9 MN Nicolet, WNCB xlr

OCTOBER 1997 DX

2 TR

2154 KUSZ 107.7 MN Proctor/Duluth 147

2235 KLDJ 101.7 MN Duluth 147

2237 WNXR 107.3 WI Iron River

2341 WBSZ 93.3 WI Ashland

DX FROM PROSIT, MN (CST)

JULY 1997 DX

4 TR

0830 WWLC 104.9 WI Balsam Lake

0958 K280AZ 103.9 MN Cook, KADU 90.1

1000 KNCM 88.5 MN Appleton 205

7 TR

1903 KDVL 102.5 ND Devils Lake 300

1915 KZZY 103.5 ND Devils Lake 300

JULY 20 TR

1100 WATQ 106.7 WI Chetek 125

AUGUST 1997 DX

4 ES

1222 KEDT 90.3 TX Corpus Christi 1352

1235 KSTX 89.1 TX San Antonio 1253

1247 WSIE 88.7 IL Edwardsville 581

1300 KOKS 89.5 MO Poplar Bluff 717

1301 KASU 91.9 AR Jonesboro 778

1303 KHBM 93.5 AR Monticello 925

SEPTEMBER 13, 1997 TR

2300 KRSD 88.1 SD Sioux Falls 312

This has really been a rotten summer/fall for FM DXing. I believe it has been the worst in my almost 50 yrs of DXing. This fall we took a trip to the Great Smoky Mtns. Along the way, tried to find something to listen to on the FM band. As the band is today, the range of any station is very short while mobile. Soon a nice clear signal begins to fade into interference from another station. What a mess -gave up and listened to good old AM! Should state the Perseids did not seem to be much this year. Haven't gotten thru my tape yet, but from what I have heard, a poor shower this time.

DANIEL OETTING - 4106 ELAND DOWNE - PHOENIXVILLE, PENNSYLVANIA 19460

Equipment: Harmon-Kardon Citation 23, Archer 10-element yagi at 18 ft, 0-10-20 db Radio Shack amp

SEPTEMBER 1997 DX

TrS(WKDX 106.9 off)

- 953 WARX 106.9 MD Hagerstown, o
- 954 WRXS 106.9 MD Ocean City, Orioles BB, ad
- 956 WEZX 106.9 PA Scranton, rp, calls, ex 107.1
- 910 WHCD 106.9 NY Auburn, Smooth Jazz
106.9 and www.whcd address given
- 9028 WAFX 106.9 VA Suffolk, rp
- 9032 WCCC 106.9 CT Hartford, Rockin
Southern New England

6 Tr

- 207 WPSU 91.5 PA State College, j, ad

10 Tr

- 9725 WYSK 99.3 VA Spotsylvania, Y99.3' wx
- 9800 WPLZ 99.3 VA Petersburg, Magic 99.3, s
- 9805 WCDX 92.1 VA Mechanicsville, s, ad
- 9828 WKWI 101.7 VA Kilmarnock, rm, calls
- 9845 WRVQ 94.5 VA Richmond, r, jingle

17 Tr

- 155 unID 101.5 ?? k cutting through NJ
- 216 WLYC 107.9 PA Williamsport, Star 107.9 rm
- 315 WPDH 101.5 NY Poughkeepsie, rp, stronger
then NJ!
- 330 Many N. Central PAs in well
- 9425 WKOK 107.3 PA Northumberland, rm, calls

SEPT 28 Tr

- 1106 WKOK 107.3 PA Northumberland
- 1115 strong N. Central PA tropo again

OCTOBER 1997 DX

3 Tr

- 0905 WOSR 91.7 NY Middletown, NPR WAMC

5 Tr

- 0930 NW PA relogs
- 0946 WERA 99.3 PA Franklin, rm, Caseys Top 40
ad for Venango County, Mix 99.3
- 1039 unID 97.7 ?? Kiss 97.7

8 Tr

- 0215 WNUC 107.7 NY Weathersfield, k, calls
- 0825 WPLZ 99.3 VA Petersburg, s

107.3 KO
WKOK

SAUL CHERNOS - 57 BERKELEY ST. - TORONTO, ONTARIO M5A 2W5

416) 364-0725 e-mail: schernos@torfree.net

SEPTEMBER 1997 DX

1 Tr (Aurora Road, Bluffs, Berkeley)

- 9621 CHCD 106.7 ON Simcoe "The new CD-
106.7-FM" r

- 9640 CBON-21 104.9 ON Gogama CBC FF
nono (out of Sudbury)

- 9830 WCTL 106.3 PA Union City g

- 9832 WWKN 104.9 MI Marshall

- 9928 WGPR 107.5 MI Detroit at 57 Berkeley
with some others

- 9132 WFRW 88.1 NY Webster g Best ever solid o/
EKLN

- 9133 WCIY 88.9 NY Canadaigua g Best ever o/
IRV

- 9134 WBEE 92.5 NY Rochester k Best ever solid o/
ISS

1 Tr (Bluffs, Aurora)

- 9601 WENY 92.7 NY Elmira r "Y-92.7"

- 9608 WFLK 101.7 NY Geneva k "K-101"

- 9653 WGFM 105.1 MI Cheboygan rp "GFM"

- 9710 WSKG 89.3 NY Binghamton NPR

- 9715 CKNX-2 104.9 ON Meaford //101.7

- 9315 WFRO 99.1 OH Fremont rm

- 9355 WRQN 93.5 OH Bowling Green r

- 9357 CHRW 94.7 ON London (Jeremy Price
Quartet ment, back Banff)

1 Tr (Aurora)

- 9013 WRVF 101.5 OH Toledo "River"

- 9038 WGAR 99.5 OH Cleveland k

- 9045 WKKY 104.7 OH Geneva k "Country
104.7"

- 9047 WZLE 104.9 OH Lorain gs

SEPT. 17 Tr (Bluffs and east)

- 0030 WTKW 99.5 NY Bridgeport rp "TK-99...
TK-105

- 0057 CJLX 92.3 ON Belleville pr Loyalist
College S 50-watts!

27 Tr (Aurora then Bluffs)

- 0000 WKBN 98.9 OH Youngstown "KBN-FM" rm

- 0044 WBTI 96.9 MI Lexington rp

- 0102 WBZZ 93.7 PA Pittsburgh rp "B-94"

- 0110 WRRK 96.9 PA Braddock rp "Channel-97"

- 0120 WWSW 94.5 PA Pittsburgh "3WS" oldies

- 0131 WELA 104.3 OH East Liverpool k

- 0132 WBZW 107.7 OH Loudonville "K-Country
98.3, 107.7"

- 0200 WHCM 99.1 WV Parkersburg k

- 0202 WMJI 105.7 OH Cleveland oldies

- 0300 WKSJ 102.7 PA Williamsport "Kiss-FM"

- 0335 WRKY 103.5 OH Steubenville k "Rocky
103.5"

- 0335 WEGW 107.5 WV Wheeling "Eagle
107.5" rp

- 0351 WAMO 106.7 PA Beaver Falls rap "Jams-106"

27 Tr (Burnt River)

- 1710 WNNB 103.5 NY Sodas rp "Winner"

28 Tr (Burnt River)

- 0029 WYUL 94.7 NY Chateaugay variety of
music, FF / EE

- 0159 CIRA 91.3 PQ Montreal FF

- 0259 WRBQ 94.7 IN Indianapolis "Q-95"

- 0345 CJMV 102.7 PQ Val D'Or rp FF

- 0410 WHKW 98.9 IN Salem "Country 98-9
The New Hawk"

OCTOBER 1997 DX

1 Tr (Toronto-Etobicoke)

2143 — 90.7 Open carrier (pirate?)

4 Tr (Toronto, Aurora Rd)

0855 CHIN1 101.3 ON Etobicoke //CHIN
1540-AM

1001 WFRO 99.1 OH Fremont

1015 unID 99.3 "99-HFA" ? ABC Info
Network

5 Tr (Burnt River)

0257 CIXX 106.9 ON London

0258 WZLE 104.9 OH Lorain g

0300 WGLE 90.7 OH Lima syndicated j

0300 WXML 90.1 OH Upper Sandusky g

0301 WCPZ 102.7 OH Sandusky "The Fun Point"

0303 WCSB 89.3 OH Cleveland (and others
107.9, 102.1 ...)

0347 CHCD 106.7 ON Simcoe "CD-106.7" r

0355 WZOO 102.5 OH Edgewood "102-Zoo"

0408 WKSU 89.1 OH Thompson //WKSU 89.7

1132 CBPO 88.9 ON Parry Sound Env. Can.
weather (Orillia etc)

1937 WAQX 95.7 ON Manlius (Also WPIG w/
CFJB off re t-storm)

7 Tr (Toronto - Bluffs)

2251 CEBU 103.7 ON St. Catharines Brock U.
Radio p

2300 WORD 101.5 PA Pittsburgh g weak

12 Tr (Toronto - Aurora/Dufferin)

0000 WWKN 104.9 MI Marshall "Keener 104" o

0001 WAUS 90.7 MI Berrien Springs

0002 WMMQ 94.9 MI East Lansing

0010 102.7 SS g? (Webster NY?)

0011 WOOD 105.7 MI Grand Rapids "Easy
105.7 FM"

0016 WWEB 101.5 MI Burton-Flint "Banana
101.5" p

0019 WLAV 96.9 MI Grand Rapids

0025 WHZZ 101.7 MI Lansing "The All
New Z-101.7



OCT 12 Tr cont.

0030 WOVE 98.9 MI Vassar

0034 WJIM 97.5 MI Lansing o

0038 WQBX 104.9 MI Alma "Retro Radio...Q105"

0046 WFBE 95.1 MI Flint k "The New B-95"

0118 CBEG 90.3 ON Sarnia CBC mono o/CJBC!

0130 WGER 106.3 MI Saginaw "soft
rock...WGER"

0139 WKJF 92.9 MI Cadillac "TCM"

0141 WODJ 107.3 MI Greenville

0142 WFUR 102.9 MI Grand Rapids g

0147 WJXQ 106.1 MI Jackson

0150 WWCK 105.5 MI Flint "CK-105.5"

0155 WCSG 91.3 MI Grand Rapids g

0200 WJCH 91.9 IL Joliet g

0201 WZOC 94.3 IN Plymouth o "Oldies 94.3"

0204 WCSY 98.3 MI South Haven "Cosy 98.3"

0206 WCRZ 107.9 MI Flint "Cars-108"

0215 WBCH 100.1 MI Hastings k

0220 WTRK 89.1 MI Bay City

0230 WGNB 89.3 MI Zeeland g

0241 WAIR 92.5 MI Atlanta o o/CISS!

0243 WHNN 96.1 MI Bay City "Oldies 96" o

0245 WCLS 100.7 MI Oscoda "Sunny 100.7" r o/
CHIN!

0252 WIOG 102.5 MI Bay City

0257 WBCM 93.5 MI Boyne City "TCM"

0307 WMUS 106.9 MI Muskegon "107-MUS"

0312 WCLX 93.9 MI Mio "Coast 93.9, the
Smoother Jazz Str"

0324 WKLT 98.9 MI Petoskey "KLT"

0326 WKJZ 94.9 MI Hillman k //104.7 WKJC

0333 WLEW 102.1 MI Bad Axe o/CFNY!

0335 WIAR 94.3 MI Leland o

0407 WMLQ 96.7 MI Rogers City "Silver 97"
40-50s music

2305 WCLS 100.7 MI Oscoda "Sunny 100.7" r o/
CHIN!

2306 CBON-21 104.9 ON Gogama FF CBC mono

2351 CKNR 94.1 ON Elliot Lake "Good Time
Oldies FM 94.1" o

13 Tr (Dufferin and St John Road)

0158 CBF-9 91.9 PQ Mont Laurier
CBC FF mono

0200 CJMV 102.7 PQ Val D'Or FF r //99.1

0206 CJMM 99.1 PQ Rouyn-Noranda FF r //102.7

Not a bad September and October for tropo, though no extended long-haul openings. Thanks should go to tipsters, including the folks on the dxlist@web.net and amfmdtdx@grove.net Internet list-servers, Mike Reid in Toronto, and Bill Hepburn in nearby Brampton ON, who provided some incredibly accurate tropo forecasts by studying weather maps.



HAPPY HOLIDAYS!!

SOUTHERN FM DX

John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
E-mail: Jpzondlo@aol.com
Deadline: 10th

or DXers in: AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD
MO, MS, NC, NV, OK, SC, TN, TX, UT, WV and Mexico

December 1997

Fernando Garcia - San Salvador 415 Rincon de
Sierra - Ciudad Guadalupe, NL, 67181 Mexico -
fertrivd@sdm.net.mx CDT all new
ioneer KE2700QR car stereo, Sony STR-6046A
attached to CM-1110

From the Editor



Despite a smattering of Es in October, looks like this year has pretty much been a washout DX-wise. Just a reminder, tho, to be on the lookout for Es around the holidays. And be sure to check out the Geminids meteor shower December 10-14.

Joy to You & Yours

*10 And the angel said unto them,
Fear not: for, behold, I bring you
good tidings of great joy, which shall
be to all people.*

*11 For unto you is born this day in the
city of David a Saviour, which is
Christ the Lord.*

Merry
Christmas

The Zondlo Family
John, Carol, Christy & Joel

Eph 3:14-21

2 Tr					
800 KEPX	89.5	TX	Eagle Pass, calls, SS rel		
7 Tr					
745 KAHX	107.3	TX	Ingleside, city IDs		
100 XHAS	101.5	TM	Nuevo Laredo, multiple IDs, city mentions		
150 KCJZ	106.7	TX	Terrell Hills		
200 KXGJ	101.7	TX	Bay City, k, city ads		
18 Tr					
540 KOPY	92.1	TX	Alice, k, calls		
545 KBNU	93.7	TX	Uvalde, "B-93FM, Good Time Oldies"		
620 KTXK	92.1	TX	Devine, calls		
19 Tr					
555 KSWP	90.9	TX	Lufkin, calls, nx		
615 KNDA	102.9	TX	Alice, SS mx, ad for Corpus Christi busn		
715 KTBZ	107.5	TX	Lake Jackson, "You're listening to the Buzz"		
735 KROX	101.1	TX	Giddings, calls, r, "101X"		
10 Tr					
600 KFTX	97.5	TX	Kingsville, city mentions		
613 KKBA	92.7	TX	Kingsville, ID, "Bay FM"		
12 Tr					
725 KVVW	95.3	TX	Pearsall, EE nx, calls		
1330 XHPSP	106.3	CL	Piedras Negras, city mentions		
15 Tr					
3920 KBIC	105.7	TX	Raymondville, McAllen/Weslaco mentions, rel		
16 Tr					
1000 KSCS	96.3	TX	Fort Worth, ID, k		
1030 KRNH	95.1	TX	Comfort, calls, k, "The Ranch"		
17 Tr					
0545 KEOM	88.5	TX	Mesquite, calls, area code 972		
0556 KBFB	97.9	TX	Dallas, nx, soft r, "B-97.9"		
25 Tr					
1220 XHTA	94.5	CL	Piedras Negras, city ads u/KFRQ		

John Zondlo - 4009 Driftwood Circle - Yukon, OK
73099 - Jpzondlo@aol.com CDT all new
Akai AT-VO4 tuner (IF mod w/2 180 kHz filters),
CM Stereo Probe 9 antenna

9/27 Tr					
0007 KKCD	105.9	NE	Omaha, pr, "CD-105.9"		
0010 KESY	104.5	NE	Omaha, "Y-104"		
0013 KGOR	99.9	NE	Omaha, local ads		
10/5 Tr					
0001 KRMN	92.7	TX	Shamrock, ID, nx		
10/20 Tr					
0053 KKZN	93.3	TX	Haltom City, r, "The Zone," KTLS Ada off pending move to Newcastle OK		

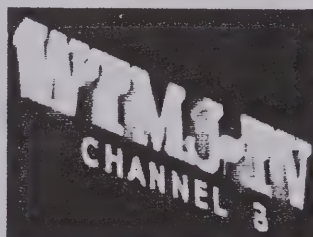


SPECIAL REPORT:

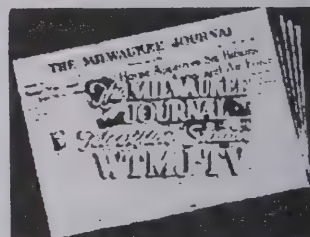
Just about the time you read this, something very special will be going on in Milwaukee, Wisconsin. December 3 marked the 50th anniversary of WTMJ-TV's first telecast. Fifty years of service is a rare distinction for any television station...in fact only 16 others have been on the air longer than WTMJ-TV. As part of the observance of the occasion, the station is featuring an extensive collection of historic material in a special section of its' website. The ID slides featured here are just a small part of the outstanding presentation. I hope you will check out the remainder of it at <http://www.touchtmj4.com/50www/index2.htm>.



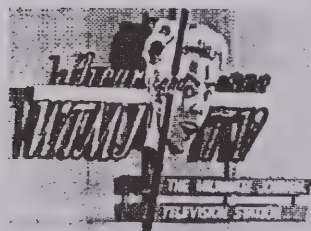
WMJT was proposed but never used on the air



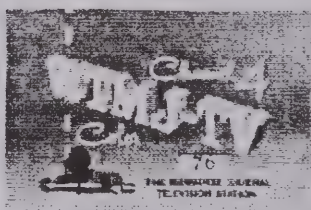
a very rare glimpse of the brief period on 3



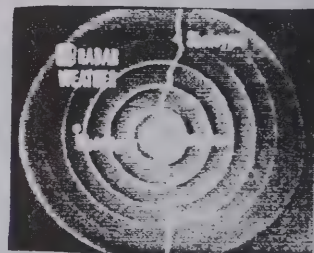
the station's owner gets a plug on this early ID



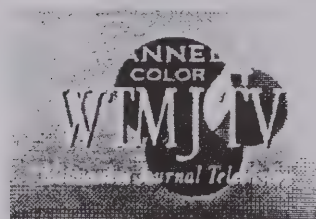
'see and hear' is likely an early 50s artifact



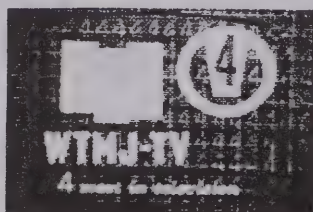
WTMJ was a color pioneer... as noted on this 1954 slide



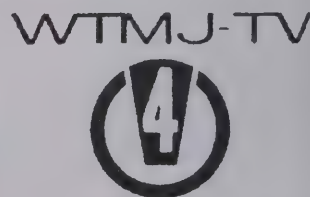
station-owned weather radar (likely late 50s)



in the early 1960s the push for color was still on



another 1964 slide with a very 'busy' look



this bit of artistry hit the screen in 1964



bold colors and graphics brought in 1967



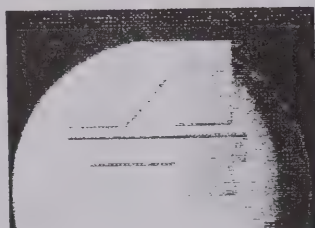
1967's logo gets a facelift for the U. S. bicentennial



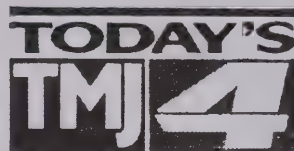
I guess this was a great logo...but...! (1977)



The NBC Peacock is part of the 1980 look



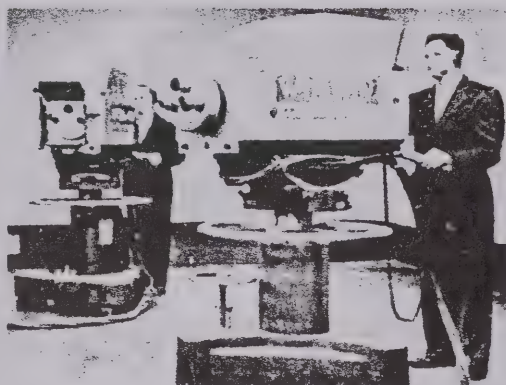
Hey...you ought to see it in color! (1984)



The current logo was first used in 1992



RCA Model TK-10 Cameras were part of the furniture at most pioneer stations



RCA's enormous TK-40 was the first mass-produced color studio camera

Editor's notes: As I assembled the column this month, I ran into a couple of surprises. First, I was amazed at how GOOD some of the pictures looked in color, and how TERRIBLE they were when converted to black and white. In fact some of the WTMJ-tv color slides reproduced so poorly in b&w that I opted to omit them. That jogged a few memory cells and I recalled that compatability had been a common problem in the early days of color television. That having been said...I must admit that this is the first time I've ever actually wished we were able to print color pictures in the VUD! The quantity and quality of historic on-air material archived by WTMJ-tv over the past 50 years is extraordinary. Few stations had the staff, resources, or presence of mind to preserve much of anything. In fact...at most operations...ownership and management changes tended to bring about wholesale destruction of anything "old". As a result, there are precious few remnants of tv's early days. Fortunately for those of us who care about such things, the folks at WTMJ-tv came through as top-notch pros! Of course that's what they've been for their half-century of television operation...PROS! To have expected less would have been a great disservice!

PHOTO-NEWS

Jeff Kruszka, Editor
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Baton Rouge, LA 70817
JTKruszka@worldnet.att.net

December 1997

Merry Christmas to all from Photo News! I have seen KJAC-4, WAPT-16, and KALB-5 all with new logos, so be on the lookout. Thanks to all the contributors this year. Hope to hear from more of you next year!

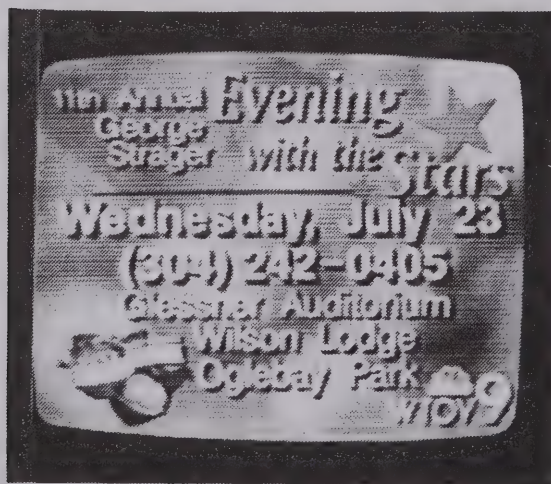
First, here's a photo of a KOTI sign in Klamath Falls, OR by Randy Miltier, Ashland, OR. He says that KOB-5 also has one in Medford, OR:



Now for some photos from Dave Nieman, from his DX shack in Rock City, NY:

Equipment:

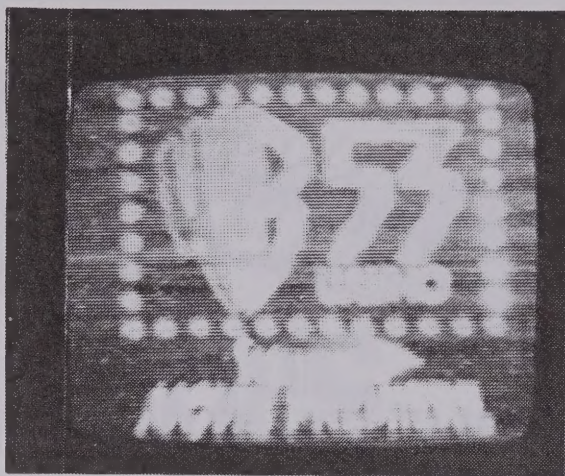
Teknika 6510 tuner into a RCA 19" TV plus an ICOM IC-R7000 w/TV R-7000 TV receiver adapter. CM 3617B VHF antenna @15 ft. AGL, on a RS rotor, Belden RG-6 coax feed into a Winegard FT-7600 FM trap (set to trap 95.7 MHz) and Winegard DA-205 distribution amp. Antennacraft P-7 UHF antenna @65 ft. AGL on an Alliance HD-73 rotor, Winegard PA-4975 preamp and Belden RG-11/u coax feed.



WTOV-9 Steubenville, OH
160mi Tr seen 7/20/97
@0130 EST
"CCI from CFTO Toronto"

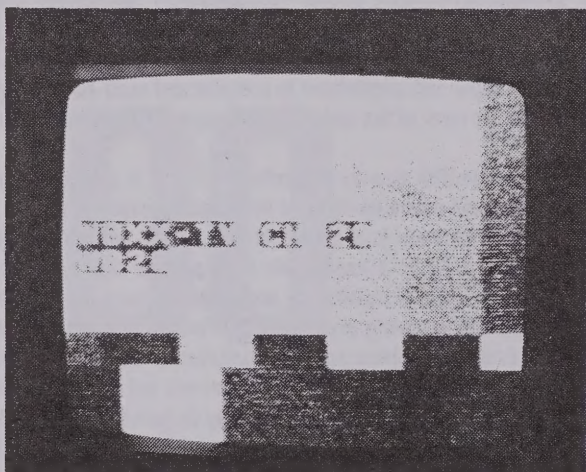


WNEM-5 Bay City, MI
290 mi Tr seen 7/20/97
@0932 EST
"CCI from WEWS Cleveland
and CBLT Toronto"



WWHO-53 Chillicothe, OH
294 mi Tr seen 9/27/97
@1000 EST
"CCI from WPGH Pittsburgh"

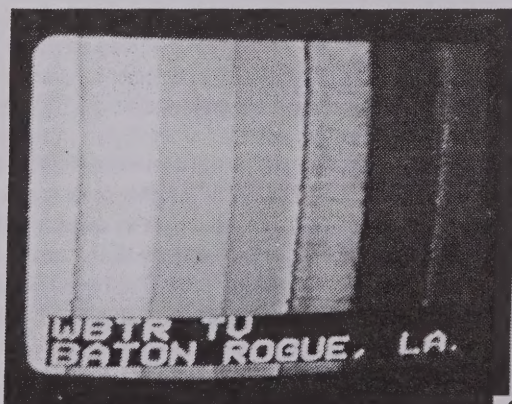
WBXX-20 Crossville, TN
514 mi Tr seen 9/27/97
@2007 EST
"CCI from WOUB Athens, OH"

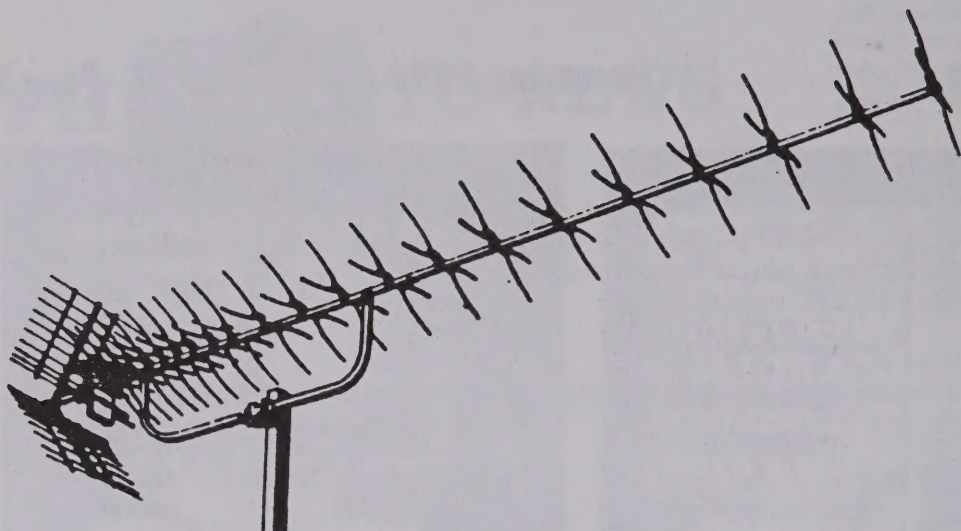


and finally, from yours truly:

BLOOPER DX!

W19AW Baton Rouge, LA
(now KBTR-LP)
seen 7/18/94
"Look closely at the ID!"





UHF TV OK ANTENNAS IN THE NEXT CENTURY

As I have said, there are MANY types of UHF antenna design configurations. In addition to the aforementioned CR yagi approach, the answer to the ubiquitous "what works best" question has always been tempered by the application. Many of the original designs were variations of the basic "bow-tie", a broadband half-wave dipole. Each decade of "televueing" since the late 1940's has seen certain design configurations become prominent. From the simple single bay conicals in 1950's to the multi-element log-periodic VHF "Vee" with an added-on UHF section at the feed terminals we have seen TV antennas evolve from simple and single-band to complex and multi-band. Digital TV will be primarily a UHF service (at least at first, in most of the largest of the major TV markets) demanding a single band UHF antenna.

The simple UHF bow-tie with reflector (Fig.1) is a proven performer where local signals are strong and reliable, and where co-channel interference problems are not commonplace in that range, such as any area situated well away from bodies of water. The next step in UHF antenna evolution was the simple corner reflector. CR's have traditionally been popular UHF receptors due to their characteristically high front-to-back ratio, ease of installation, and relatively low cost. Speaking from personal experience, they have solved many a UHF ghosting dilemma in the Philadelphia and Scranton PA areas but often only for reception of one station at a time, because of the unfortunate tendency of local UHF operators to site their broadcast towers in several different areas. It is likely we will not have this problem with digital, where ghosting will not be an issue, and "peaceful co-existence" may be brought about by economics, with competing stations in several markets already planning to locate their transmitters at a single site. Expect to see one of the first of these in Northern Virginia for the Washington DC area circa the year 2000.

When it comes to weaker UHF signals, the Corner Reflector (CR) Yagi (Fig. 2) came about as a refinement of the the basic CR principle, and has proven to be the most popular high performance UHF TV antenna design in the world. Versions of this design, depending on band coverage, typically offer gain figures in the 11 to 14 dB range (over a dipole). This type of antenna stands to become the "weapon of choice" when the installer is faced with poor UHF coverage at a customer location. Now while it may be true that UHF reception has been, and always will be, more problematical than VHF when all things are equal, a new factor enters into the mix, namely the characteristics of the digital signal mode itself. What was formerly a weak but stable (and hence, "snowy") signal in with conventional NTSC analog will become "perfect" in a considerable number of situations. "Zero dBmV" or what some refer to as "studio quality" video should become relatively easy to attain providing the installer uses an antenna with the proper gain. It was often pointless to even suggest a high performance UHF antenna to the many customers in the past, when such items were not enough by themselves to ensure "perfect" pictures. The digital era promises to be very different, when a high performance UHF antenna will produce more dramatic results.

- Ken Covington

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